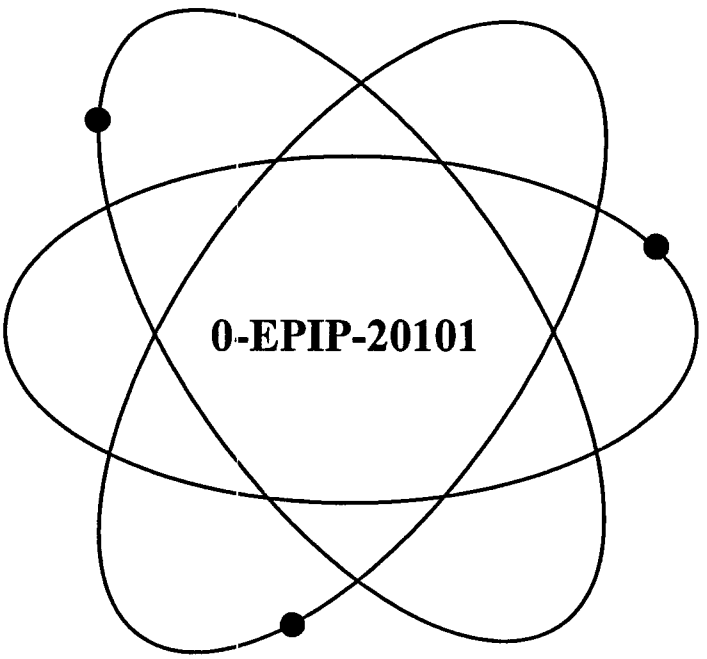
Florida Power & Light Company

Turkey Point Nuclear Plant



Title:

Duties of Emergency Coordinator

Safety Related Procedure	
Responsible Department:	Emergency Preparedness
Revision Approval Date:	12/21/05

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1.0 PURPOSE

1.1 This procedure provides the guidelines to be followed by the Emergency Coordinator when an emergency occurs that requires initiation of the Turkey Point Radiological Emergency Plan.

1.2 This procedure provides guidance for actions that the Emergency Coordinator will take in a plant emergency.

1.3 For planned evolutions, such as safeguards, this procedure does not apply. However, if a deviation from the planned evolution (i.e., any unplanned evolution) occurs, this procedure should be consulted.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-028, On the Job Injuries
2. 0-ADM-034, Oil and Hazardous Material Emergency Response Plan and Spill Prevention, Control and Countermeasure (SPCC) Plan
3. 0-ADM-115, Notification of Plant Events
4. 0-ADM-408, Safeguards Contingency Plan Implementing Procedure
5. 0-EPIP-20104, Emergency Response Organization Notifications/ Staff Augmentation
6. 0-EPIP-20106, Natural Emergencies
7. 0-EPIP-20110, Criteria for and Conduct of Owner Controlled Area Evacuation
8. 0-EPIP-20111, Re-entry
9. 0-EPIP-20126, Off-site Dose Calculations
10. 0-ONOP-016.10, Pre-Fire Plan Guidelines and Safety Shutdown Manual Actions
11. 3/4-ONOP-094, Alternate Methods for Containment Post Accident Monitoring
12. 3-NCZP-094.1, Obtaining a Unit 3 PASS Sample during Emergency Conditions
13. 4-NCZP-094.1, Obtaining a Unit 4 PASS Sample during Emergency Conditions
14. 3-NCZP-051.1, Obtaining a Containment Air Sample during Emergency Conditions
15. 4-NCZP-051.1, Obtaining a Containment Air Sample during Emergency Conditions

2.1.2 Regulatory Guidelines

1. 10 CFR 50.47, Emergency Plans
2. 10 CFR 50, Appendix E, Emergency Planning and Preparedness for Production and Utilization Facilities
3. NUREG-0654, FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
4. NUREG/BR-0150, Volume 1, Rev 4, Response Technical Manual, RTM-96
5. NRC Bulletin 2005-02, Emergency Preparedness and Response for Security Based Events

2.1.3 Miscellaneous Documents (i.e., PC/M, Correspondence)

1. Turkey Point Plant Radiological Emergency Plan
2. Turkey Point Plant Emergency Response Directory (ERD)
3. PC/M 92-004, Upgrading Plant Page Audibility
4. Condition Report 96-880, Radiological Releases, Emergency Classification Table, Item 7
5. Condition Report 96-881, Definition of Power Block
6. PTN-ENG-SENS-97-088, Pre-Planned Alternative Monitoring for the Containment High Range Radiation Monitors
7. Security Force Instruction 6307, Emergency Evacuation and Accountability
8. Calculation No. PTN-9FJF-01-027, Determination of Letdown Radiation Monitor (R-20) Dose Rate Limit Corresponding to 300μci/gm of DEQ I-131
9. NRC Interim Compensatory Measures (ICM) Order, Reference Section 5.d dated February 25, 2002
10. Security Force Instruction 2404, Target-Sets and Defensive Strategies

2.2 Records Required

2.2.1 Completed originals of the below listed item(s) constitute Quality Assurance records and shall be transmitted to QA Records for retention in accordance with Quality Assurance Records Program requirements:

1. Subsections of this procedure required to be completed during the performance of this procedure:
   a. Forms similar to Attachment 1
   b. Forms similar to Attachment 2
   c. Forms similar to Attachment 3, Page 1
   d. The Emergency Log Book

2.2.2 Copies of the records of Steps 2.2.1 shall be transmitted to the Emergency Preparedness Coordinator. Originals shall be submitted as QA Records to be retained in accordance with Quality Assurance Program requirements.

3.0 RESPONSIBILITIES

3.1 Emergency Coordinator

3.1.1 The Shift Manager assumes the responsibilities of the Emergency Coordinator in the initial phases of a plant emergency. If the Shift Manager is incapacitated, the Emergency Coordinator shall be (in order of succession in the Control Room staff).

1. Unit Supervisor
2. Field Supervisor
3. Any other member of the plant staff with an active Senior Reactor Operator License

3.1.2 A member of the Plant Management Staff may later assume Emergency Coordinator (EC) duties when he or she reaches the Control Room or TSC and becomes familiar with the emergency. The Shift Manager will, at that time, return to the normal responsibility of control of the units. Turnover between ECs should be performed in the Control Room, if possible, with the new EC taking the Emergency Log Book to continue records of the event.

3.1.3 The Emergency Coordinator shall only grant permission for watch relief, including his own, when a proper turnover has been given and in his judgment, it is safe to do so.

3.1.4 The Emergency Coordinator shall authorize any radiation exposures in excess of regulatory limits. This authorization should be in accordance with 0-EPIP-20111, Re-entry. Authorization should be given only after consultation with the TSC Radiation Protection Supervisor and the Recovery Manager, if time permits. For those remote circumstances involving an event in progress, and obtaining EC approval will result in leaving the scene or decrease the victims chance of survival, life saving actions may be performed without obtaining EC approval. The EC shall be notified immediately following the rescue operation.

3.1.5 The Emergency Coordinator shall authorize personnel exposures in excess of regulatory limits only for volunteers who are familiar with the risks involved and the tasks to be performed. Declared pregnant adults should not be used as on-site emergency workers.

3.1.6 The Emergency Coordinator, shall authorize the issuance of Potassium Iodide (KI) to emergency workers upon the recommendation from the TSC Radiation Protection Supervisor based on a thyroid CDE of greater than or equal to 5 rem actual or estimated.

3.1.7 The Emergency Coordinator is responsible for implementing SAMGs, as necessary.

4.0 DEFINITIONS

4.1 Emergency - any off-normal event or condition which is classified into one of the four event categories in Enclosure 1 of this procedure.

4.2 Emergency Notification System (ENS) - the circuit tying the NRC and Turkey point.

4.3 Emergency Response Directory (ERD) - the directory containing names and phone numbers of Emergency Response Organization personnel.

4.4 ESATCOM - Satellite based backup communications system for notifications to the State Warning Point.

4.5 Florida Nuclear Plant Emergency Notification Form - the form used to initiate, update, and terminate emergency notifications to State and Local Counties.

4.6 HOSTILE ACTION – An act toward the plant or its personnel that includes the use of violent force to destroy equipment, takes hostages, and/or intimidates the licensee to achieve an end. This includes attack by air, land, or water using guns, explosives, projectiles, vehicles, or other devices used to deliver destructive force. Other acts that satisfy the overall intent may be included. HOSTILE ACITON should not be construed to include acts of civil disobedience or felonious acts that are not part of a concerted attack on the plant. Non-terrorism based EALs should be used to address such activities, (e.g., violent acts between individuals in the owner controlled area.)

4.7 HOSTILE FORCE – One or more individuals who are engaged in a determined assault, overtly or by stealth and deception, equipped with suitable weapons capable of killing, maiming, or causing destruction.

4.8 Hot Ring Down Telephone (HRD) - the dedicated link between State/Counties and Turkey Point.

4.9 Local Government Radio (LGR) - the communications network used as a backup to the HRD.

4.10 Off-site Power - power supplied from the grid through the Startup or Auxiliary Transformers (backfeed), or power supplied by the Auxiliary Transformer during normal operation.

4.11 On site - within the Protected Area.

4.12 On-site Power - power supplied by any of the four emergency diesel generators.

4.13 Owner Controlled Area - that portion of the FPL property surrounding and including the Turkey Point Plant, which is subject to limited access and control as deemed appropriate by FPL.

4.14 Power Block - structures comprising all permanent nuclear, power generation, and cooling structures, systems, and components within the Protected Area and permanent safety related or quality related utilities (e.g., air, water and electric) both inside and outside the Protected Area. The Power Block does not include the switchyard (Reference CR-96-881).

4.15 Release - during any declared emergency, any effluent monitor increase of approximately ten times/one decade above pre-transient values, or Radiation Protection detected airborne radioactivity levels in excess of 25 percent DAC outside of plant buildings due to a failure of equipment directly associated with the declared plant emergency.

4.16 Site Boundary - land areas within a 1 mile radius of the affected unit.

4.17 Unrestricted Area - as defined in the Technical Specifications.

5.0 PROCEDURE

5.1 General

5.1.1 The Emergency Coordinator (EC) can delegate his responsibilities to his subordinates with the exception of classification, the decision to notify Federal, State and Local authorities and the issuing of Protective Action Recommendations (PARs). The actual notification can be done by the EC's designee. Notification of off-site agencies and PARs become the responsibility of the Recovery Manager (RM) when the EOF is manned and operational. The EC documents his decision to notify State and Local authorities and his concurrence with PARs by initialing a form similar to Attachment 1.

5.1.2 Procedural notification steps may be performed out of sequence in order to meet State of Florida and/or NRC notification time requirements.

5.1.3 During exercises, drills or tests, ALL MESSAGES shall begin and end with **THIS IS A DRILL.**

5.1.4 In any case where a **General Emergency** has been declared, the minimum protective action recommendation shall be: **Shelter all people within a 2 mile radius from the plant and 5 miles in the down wind sectors.**

5.1.5 The Emergency Coordinator responsibilities shall reside with the EC in the Control Room until they have been formally transferred to the EC in the TSC.

5.1.6 Emergency notification to State and Local Counties is required within15 minutes of declaring an emergency.

5.1.7 Emergency notification to the NRC is required immediately following notification of State and Counties, but not later than 1 hour from the declaration of an emergency.

5.1.8 If, during the notification process, it becomes necessary to upgrade the emergency classification:

1. Ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification:
2. Stop the current notification process, and
3. Proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.

5.1.9 Plant Page Announcements

1. PA Messages to site personnel do not have to be made verbatim; they are **example** messages only.

NOTE

The security event may not allow ERO members to respond to their designated facilities (i.e., TSC and OSC) based on the type of event. Consider, when making the page announcement, to send the on-site ERO to an alternate location such as:

A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
C) PT Offsite Assembly Area – Florida City Substation on Palm Drive.
D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

2. Announcements may not be made or may be modified as directed by the Emergency Coordinator, or his designee, if it is determined that such announcements may cause intruders to panic or make them aware of plant/security personnel responses in regard to security related events.

3. Important plant page announcements, such as changes in classification or plant status, should be made firmly, clearly, and distinctly so that the message can be heard throughout the plant.

4. The Page Volume Boost feature should be used when making Emergency Announcements from the Control Room. By pressing and holding the pushbutton on the console in the Unit Supervisor Workstation, or on the RO's desk, the Page System speakers will broadcast at maximum volume, and the blue, high intensity strobe lights will be activated. Release the pushbutton when the announcement is complete.

5.1.10 Plant conditions, plume dose projection calculations, (from 0-EPIP-20126, Off-site Dose Calculations), and off-site monitoring results should be evaluated when making Protective Action Recommendations. If significant discrepancies exist between field monitoring results and plume dose projection calculations, an evaluation should be made, and the most conservative approach used in the determination of Protective Action Recommendations.

1. De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.

2. Previously issued PARs, unless found to be less conservative, are to remain in effect until the source of the threat is clearly under control.

3. Only State and County officials can implement, change and/or terminate protective actions.

5.1.11 If a condition, which meets the Unusual Event or Alert criteria of Enclosure 1 is identified and subsequently rapidly resolved, the emergency classification shall be declared and immediately terminated. All required notifications shall be completed. Activation of the On-site Emergency Response Facilities is not required.

5.1.12 If a condition which meets the Site Area Emergency or General Emergency criteria of Enclosure 1 is identified and subsequently rapidly resolved, the emergency shall be declared and all notifications completed. De-escalation from the Site Area Emergency and General Emergency classifications may only be authorized by the Recovery Manager.

5.1.13 Protective Action Recommendations based upon off-site dose calculations shall be determined by comparing projected off-site doses to the action levels in Attachment 3. If the period of exposure is expected to be less than 2 hours the doses should be projected for the expected duration of the exposure. For longer duration exposures, the off-site doses should be projected for 2 hours and PARs should be based upon the 2 hour projections.

5.1.14 The Emergency Coordinator has the authority to waive individual's emergency response training requirements, as needed.

5.1.15 Alternate commercial telephone numbers for State of Florida and NRC notification are listed in the Emergency Response Directory (ERD).

5.1.16 Collection of Release Rate Data shall not delay State of Florida and NRC notifications. If the data is not available, notification shall be made and followed up as soon as the information is available.

5.1.17 Evacuations and Emergency Response Facility (ERF) Activation

NOTE

Once the decision is made to augment the ERO, ensure that all the details regarding the event and any special instructions for the ERO are relayed to the Duty Call Supervisor so that he/she may develop a special message in the Autodialer System (i.e., where the ERO is to respond, the route to use when responding to the designated emergency response facilities).

1. The Emergency Coordinator shall consider plant and radiological conditions as they relate to the emergency prior to ordering an evacuation or activation of the ERF. As conditions warrant, the Emergency Coordinator may delay, postpone or make special requirements on the evacuation and/or ERF activation. Some examples of special circumstances and considerations are, as follows:

   a. Radiological Conditions
      (1) Radiological conditions (puff releases) when large doses may be received consider:

         (a) Duration of the release

         (b) Plant conditions

         (c) Meteorological conditions

         (d) Evacuation route availability

         (e) Sheltering

         (f) Routes to emergency facilities

         (g) Other information pertinent to the release

NOTE

If traffic congestion at the Security Checkpoint becomes a concern for timely staffing of the Emergency Response Facilities, the Emergency Coordinator should instruct Security to direct incoming traffic down the Contractor road to the designated parking area.

   b. Security Event

      (1) When the Control Room is contacted by any of the following: Security, NRC, FBI or NORAD, that a terrorist attack on the plant is imminent or is occurring, perform the actions in the applicable Security Force Instruction (SFI).

      (2) Site security and Local Law Enforcement Agencies (LLEA) will take the lead in response to a security event in accordance with the Security Plan.

5.1.17.1.b (Cont'd)

(3) Security events when unknown hazards or dangers (i.e., armed intruders, bomb threats, etc.) are perceived, consider:

(a) Location of intruders

(b) Bomb threat location

(c) Other information pertinent to the security threat.

c. Miscellaneous

(1) Plant conditions where additional personnel are necessary to put the plant in a safer configuration (i.e., equipment hatch open, primary system open for repair, etc.).

(2) On-site hazards, such as toxic gas, fires, or explosions where the movement of personnel would be placing them in additional risk.

(3) Risks to plant personnel due to the inability to use the evacuation route (construction, traffic accidents, etc.).

(4) Other similar events.

5.1.18 During an Emergency of Alert or higher, the Emergency Coordinator should confer with the TSC Security Supervisor concerning the impact of the emergency on Plant Security. During a Site Area Emergency or higher, and dependent on the degree of airborne release, the TSC Security Supervisor may recommend a complete or partial suspension of safeguards which may include, but is not limited to, any of the following:

NOTE

Vital area doors unlocked by the computer will relock automatically after they are closed.

1. Unlocking vital area doors through the security computer.
2. Suspension of designated security patrols or activities.
3. Maintenance of Protected Area Access Control only (suspension of all field patrols).
4. A partial evacuation of on-duty Security personnel.
5. Closing one or both Alarm/Communications Stations (CAS/SAS).
6. Complete suspension of Site Security Safeguards.

5.1.19 Classifying Simultaneous Emergencies: Emergency classifications based on simultaneously occurring events affecting each unit independently (e.g., LOCA on Unit 3 and Tube Rupture on Unit 4) shall be made based on the most severe event, and reported as the classification for the site. With multiple events occurring, only one emergency classification shall be made.

5.1.20 One of the primary reasons for the declaration and notification process is to prompt Local, State, and Federal Government Agencies to initiate actions to assure the health and safety of the public. The Government Agency response is based on an event affecting either unit at a multiple unit site, such as PTN. Therefore, the Government Agency's actions will address the most severe classification issued by the site, and having multiple classifications would only confuse the response. Examples regarding this issue are provided below.

1. If Unit 3 is in a classified event (an Alert, for example), and another event of the same of lesser classification (e.g., an Unusual Event or Alert) occurs on Unit 3 or Unit 4, then a new event classification should not be made, and the event notification should be issued as an update, at the earliest practical time.

2. If Unit 3 is in a classified event (an Alert, for example), and another event of higher classification (Site Area or General Emergency) occurs on either Unit 3 or Unit 4, then the new classification should be promptly issued to the State and NRC within the regulatory time requirements.

3. The Florida Nuclear Plant Emergency Notification Form (a form similar to Attachment 1) should indicate the unit for which the event is declared. If the event is common to both units, Unit 3 should be marked as the affected unit.

5.1.21 For Emergency Classification purposes, a representative containment radiation reading can be obtained from the pre-planned alternate method of containment radiation monitoring, if both CHRRMs are inoperable. Refer to 3/4-ONOP-094, Alternate Methods for Containment Post Accident Monitoring, for implementation and use of the pre-planned alternate method of containment radiation monitoring.

5.2 Classifying Events

5.2.1 Have you been contacted by any of the following: Security, NRC, FBI, FAA or NORAD that a terrorist attack on the plant site is imminent or is occurring?

1. **IF** NO, **THEN** proceed to Step 5.2.2.

____ TIME

2. **IF** YES,

   a. And call was received on the dedicated Control Room security line or the ENS phone, **THEN** perform the actions in SFI-2404, Target Sets and Defensive Strategies, Enclosure 6, Category A, Operations Department Response to Security Events and Subsection 5.3 of this procedure, while continuing with this procedure.

   b. And call was **NOT** received on the dedicated Control Room security line or the ENS phone, **THEN** perform the actions in SFI-6310, Threat Assessment, Step 4.7, while continuing with this procedure.

5.2.2 Fire Emergency? Yes/No

1. **IF** NO, **THEN** proceed to Step 5.2.3.

____ TIME

2. Fire reported.

____ TIME

Location_____

Class (if known) A / B / C / D (see Note below)

Injured personnel should be handled in accordance with 0-ADM-028, On the Job Injuries.

Extent of damage to plant components

_____

_____

NOTE

Fire Classes:
A - wood, paper, cloth, rubber
B - combustible liquids, gases, greases
C - electrical related (involving energized equipment)
D - combustible metals

3. Make the following announcement using the Page Volume Boost:

____ TIME

Attention all personnel. There is a reported Class (if known)_____ Fire in Unit (3 or 4)__ (location)_____. All personnel in the Fire location withdraw to a safe area. All Fire Brigade members report to (location of fire) _____.

5.2.2 (Cont'd)

4. Sound Fire Alarm.

TIME

5. Follow alarm with page announcement using the Page Volume Boost:

TIME

Attention all personnel. There is a reported Class (if known)_____ Fire in Unit (3 or 4)__ (location)_____. All personnel in the Fire location withdraw to a safe area. All Fire Brigade members report to (location of fire) _____.

CAUTIONS

- ***Alarming dosimetry is available for Fire Brigade members to monitor direct radiological exposure. The air sampler located in the Fire Locker in the Auxiliary Building hallway is also available to assess airborne activity.***
- ***It may be necessary to relieve the Radiation Protection Fire Team members with other qualified Fire Brigade members in order to ensure additional Radiation Protection support.***

TIME

6. Reference 0-ONOP-016.10, Pre-Fire Plans Guidelines and Safe Shutdown Manual Actions, as time permits and as necessary to aid Fire Brigade with area characteristics and aid Operations with safe shutdown actions.

TIME

7. **IF** applicable, **THEN** verify accountability with Security.

TIME

8. **IF** personnel are unaccounted for, **THEN** direct Fire Brigade Leader to search for missing personnel.

CAUTION

Due to minimal Contract Medical Response Staff of one (1) individual on back shifts and weekends, manpower requirements should be monitored by the Control Room.

TIME

9. Verify Contract Medical personnel dispatched to the vicinity of the fire scene.

NOTE

Emergency phone numbers are listed in the Emergency Response Directory.

TIME

10. Contact additional fire support, if needed.

TIME

11. **IF** off-site assistance has been requested, **THEN** inform Security of their pending arrival.

TIME

12. **IF** injuries occur or have occurred, **THEN** perform Attachment 1 of 0-ADM-028, On the Job Injuries, otherwise proceed to Step 5.2.5.

NOTES

- *Fires may produce noises that may not be deemed to be explosions per the definition of **Explosion**.*
- *Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas.*

5.2.3 Explosion occurred? Yes/No

1. **IF** NO, **THEN** proceed to Step 5.2.4.

____ TIME

2. Explosion reported.

____ TIME

Location_____

Injured personnel should be handled in accordance with 0-ADM-028, On the Job Injuries.

Extent of damage to plant components_____

_____

3. Make the following announcement using the Page Volume Boost:

____ TIME

Attention all personnel. There has been an On-Site Explosion reported (location)_____.
All personnel in Explosion location withdraw to a safe area. (If not Security Threat related). All Fire Brigade members report to (location of explosion)_____.

4. Sound Fire Alarm.

____ TIME

5. Follow alarm with page announcement using the Page Volume Boost:

____ TIME

Attention all personnel. There has been an On-Site Explosion reported (location)_____.
All personnel in Explosion location withdraw to a safe area. (If not Security Threat related). All Fire Brigade members report to (location of explosion)_____.

CAUTIONS

Alarming dosimetry is available for Fire Brigade members to monitor direct radiological exposure. The air sampler located in the Fire Locker in the Auxiliary Building hallway is also available to assess airborne activity.

It may be necessary to relieve the Radiation Protection Fire Team members with other qualified Fire Brigade members in order to ensure additional Radiation Protection support.

6. Reference 0-ONOP-016.10, Pre-Fire Plans Guidelines and Safe Shutdown Manual Actions, as time permits and as necessary to aid Fire Brigade with area characteristics an aid Operations with safe shutdown actions.

____ TIME

5.2.3 (Cont'd)

7. **IF** applicable, **THEN** verify accountability with Security.

TIME

8. **IF** personnel are unaccounted for, **THEN** direct Fire Brigade Leader to search for missing personnel.

TIME

CAUTION

Due to minimal Contract Medical Response Staff of one (1) individual on back shifts and weekends, manpower requirements should be monitored by the Control Room.

9. Verify Contract Medical personnel dispatched to the vicinity of the explosion scene.

TIME

NOTE

Emergency phone numbers are listed in the Emergency Response Directory.

10. Contact additional support, if needed.

TIME

11. **IF** off-site assistance has been requested, **THEN** inform Security of their pending arrival.

TIME

12. **IF** injuries occur or have occurred, **THEN** perform Attachment 1 of 0-ADM-028,On the Job Injuries, otherwise proceed to Step 5.2.5.

TIME

5.2.4 Have injuries occurred which require medical assistance? Yes/No

1. **IF** NO, **THEN** proceed to Step 5.2.5.

TIME

2. **IF** YES, **THEN** refer to 0-ADM-028, On the Job Injuries. Attachment 1, Control Room Response to an Injury Requiring Medial Assistance.

TIME

5.2.5 Mitigating Actions and Classification of Off-Normal Event

____ TIME

____ TIME

1. Direct initial investigative and mitigating actions to correct Off-Normal Event.

   a. **IF** the event involves a release of oil or hazardous material to the environment, **THEN** perform the following:

____ TIME

(1) Activate the Fire Brigade to perform initial response **AND** to determine if additional support is needed at the scene.

____ TIME

(2) Notify the on-shift Chemistry Technician.

____ TIME

(3) Notify Mechanical Maintenance to provide support for containment and cleanup.

____ TIME

(4) Notify the Environmental Compliance or Hazardous Materials Coordinator for response, and reportability determination. (Refer to the ERD for names and phone numbers).

____ TIME

(5) Refer to 0-ADM-034, Oil and Hazardous Materials Emergency Response Plan and Spill Prevention, Control and Countermeasure (SPCC) Plan.

____ TIME

2. **IF** a release (see Definitions) is in progress, **THEN** direct Chemistry personnel to implement 0-EPIP-20126,OFF-SITE DOSE CALCULATIONS.

NOTES

- *For planned evolutions, such as Safeguards Testing, this procedure does not apply with regard to the actuation of Safeguards equipment. However, if a deviation from the planned evolution occurs, this procedure should be consulted for event classification.*
- *If simultaneous emergencies occur at the site, the Emergency Classification shall be made based on the most severe condition at the site.*
- *If conditions meeting the Emergency Classification criteria are known to have existed, but have been terminated, proceed with required classification and notification activities. An Unusual Event or Alert may be terminated by the Emergency Coordinator. A Site Area Emergency or General Emergency may only be de-escalated by the Recovery Manager. Activation of the On-site Emergency Response Facilities is not required for events that have been terminated by the responsible ERO personnel.*
- *If the event does not qualify as an Emergency, using Enclosure 1 proceed to 0-ADM-115, NOTIFICATION OF PLANT EVENTS, for further classification of event.*

____ TIME

3. Classify Off-Normal Event using present available information, **AND** declare most conservative emergency class using Enclosure 1, **THEN** proceed to Step Number and Page listed on the bottom of Enclosure 1.

Completed by:_____ Date:_____

5.3 Security Checklist

NOTE

This is to be used for Actual Events or Credible Threats.

5.3.1 Plant Announcements — Choose one

CAUTIONS

1. ***Plant page announcements must take into account the current conditions. Ensure the E-Plan announcements do NOT conflict with Security-related announcements.***

2. ***Movement of plant personnel, including site evacuation, must take into account the current conditions and safety of personnel.***

1. Imminent Airborne Threat

a. If in modes 1, 2, 3, or 4, perform the following announcement:

TIME

ATTENTION ALL PERSONNEL. A SECURITY EVENT IS IN PROGRESS. ALL NUCLEAR SYSTEM OPERATORS REPORT TO THE CONTROL ROOM. ALL FIRE BRIGADE MEMBERS REPORT TO THE BREEZEWAY BETWEEN THE SECURITY DIESEL GENERATOR AND CAS. ALL OTHER PERSONNEL MUST IMMEDIATELY EVACUATE THE POWER BLOCK AND ASSEMBLE AT THE NUCLEAR ADMIN BUILDING OR SEEK SHELTER IN A SUBSTANTIAL STRUCTURE.

b. If in refueling or shutdown modes (mode 5 or 6)

TIME

ATTENTION ALL PERSONNEL. A SECURITY EVENT IS IN PROGRESS. ALL NUCLEAR SYSTEM OPERATORS REPORT TO THE CONTROL ROOM. ALL FIRE BRIGADE MEMBERS REPORT TO THE BREEZEWAY BETWEEN THE SECURITY DIESEL GENERATOR AND CAS. ALL PERSONNEL IN CONTAINMENT, REMAIN IN CONTAINMENT BUT GO TO A LOW DOSE AREA. ALL OTHER PERSONNEL MUST IMMEDIATELY EVACUATE THE POWER BLOCK AND ASSEMBLE AT THE NUCLEAR ADMIN BUILDING OR SEEK SHELTER IN A SUBSTANTIAL STRUCTURE.

Repeat the announcement.

5.3.1 (Cont'd)

2. Probable Airborne Threat

a. If in modes 1, 2, 3, or 4, perform the following announcement:

TIME

ATTENTION ALL PERSONNEL. A SECURITY EVENT IS IN PROGRESS. ALL NUCLEAR SYSTEM OPERATORS REPORT TO THE CONTROL ROOM. ALL FIRE BRIGADE MEMBERS REPORT TO THE BREEZEWAY BETWEEN THE SECURITY DIESEL GENERATOR AND CAS. ALL OTHER PERSONNEL MUST IMMEDIATELY EVACUATE THE POWER BLOCK AND ASSEMBLE AT THE NUCLEAR ADMIN BUILDING OR SEEK SHELTER IN A SUBSTANTIAL STRUCTURE.

b. If in refueling or shutdown modes (mode 5 or 6)

TIME

ATTENTION ALL PERSONNEL. A SECURITY EVENT IS IN PROGRESS. ALL NUCLEAR SYSTEM OPERATORS REPORT TO THE CONTROL ROOM. ALL FIRE BRIGADE MEMBERS REPORT TO THE BREEZEWAY BETWEEN THE SECURITY DIESEL GENERATOR AND CAS. ALL PERSONNEL IN CONTAINMENT, REMAIN IN CONTAINMENT BUT GO TO A LOW DOSE AREA. ALL OTHER PERSONNEL MUST IMIMEDIATELY EVACUATE THE POWER BLOCK AND ASSEMBLE AT THE NUCLEAR ADMIN BUILDING OR SEEK SHELTER IN A SUBSTANTIAL STRUCTURE.

Repeat the announcement.

3. Informational Airborne Threat

TIME

ATTENTION ALL PERSONNEL. A SECURITY EVENT IS IN PROGRESS. ALL NUCLEAR SYSTEM OPERATORS REPORT TO THE CONTROL ROOM. ALL FIRE BRIGADE MEMBERS REPORT TO THE BREEZEWAY BETWEEN THE SECURITY DIESEL GENERATOR AND CAS. ALL PERSONNEL MUST IMMEDIATELY STOP WORK ACTIVITIES AND REPORT TO THEIR NORMAL WORKSTATIONS AND OFFICES. PERPARE TO PROMPTLY EXIT THE PROTECTED AREA IF INSTRUCTED TO DO SO.

Repeat the announcement.

4. Land-based Threat

TIME

ATTENTION ALL PLANT PERSONNEL. THE PLANT IS IN A SECURITY EMERGENCY. TAKE COVER AND DO NOT MOVE. TAKE COVER AND DO NOT MOVE.

Repeat the announcement.

5.3.2 Off-Site Notifications

1. Make an accelerated notification to the NRC

____ TIME

Accelerated notification to the NRC Operations Center, ENS phone number 301-816-5100, shall be made within 15 minutes of authentication of the threat.

2. Airborne Threat — abbreviated State Notification — prepare a State

____ TIME Notification Form by filling out lines 1 through 6 and 11.

5.3.3 ERO Activation

1. Normal business hours —

a. Delay activation of the Emergency Response Facilities or direct ERO

____ TIME personnel to an alternate location.

b. Request off-site responders to go to EOF/alternate facility.

____ TIME

2. Off-normal hours — based on site accessibility, consider directing ERO personnel to report to the EOF or alternate location.

5.3.4 Continue with the appropriate procedure below:

1. SF1 #2406 Operations Department Response to Land Threats
2. SF1 #2407 Operations Department Response to Airborne Threats
3. SF1 #6310 Threat Assessment and Notifications

5.3.5 Implement appropriate Emergency Plan Implementing Procedures (EPIPs)

5.4 Unusual Event

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified as directed by the Emergency Coordinator, or his designee, to prevent alarming intruders, if security events warrant.

5.4.1 **IF** an Unusual Event has been declared, **THEN** complete the following steps:

NOTES

- *Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC Notification time requirements.*
- *Notifications for Emergency Responder Organization (ERO) activation must be performed expeditiously to meet the emergency facility staffing time requirements.*

1. Document the sequence of events using the Emergency Log Book.

____ TIME

2. Inform or have Control Room personnel inform site personnel of the emergency via the Plant Page System, **AND** make one of the following announcements twice using the Page Volume Boost. [Either (a) or (b)]

____ TIME

a. **IF** entering into an Unusual Event, **THEN** make the following announcement:

Attention all personnel, attention all personnel: An Unusual Event has been declared on Unit #___ due to (provide a brief description of initiating event). All Emergency Response Organization members remain on standby. All other personnel continue with present duties unless further instruction is given.

____ TIME

b. **IF** downgrading to an Unusual Event, **THEN** make the following announcement:

Attention all personnel, attention all personnel: the Emergency has been downgraded to an Unusual Event.

5.4.1 (Cont'd)

3. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:

   a. Determine assembly area for personnel evacuated from the affected area.

   ____ TIME

   b. Announce type and location, instruct personnel to stand clear, and report to the assembly area.

   ____ TIME

   c. Sound applicable alarm, if not previously done.

   ____ TIME

   d. Announce type and location, instruct personnel to stand clear and report to the assembly area.

   ____ TIME

   e. Initiate Search and Rescue as required.

   ____ TIME

NOTE

If Plant Events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

4. Direct the Shift Technical Advisor (STA) to implement 0-EPIP-20104, Emergency Response Organization Notifications/Staff Augmentation.

   ____ TIME

   a. **IF** significant public interest is expected or significant technical support is required, **THEN** perform the following:

      TIME

      (1) Identify those positions requiring activation and the desired reporting location.

      ____ TIME

      (2) Direct the STA to initiate a partial activation of the Emergency Response Organization, using the identified positions.

      ____ TIME

5.4.1 (Cont'd)

CAUTIONS

- ***Notification to the State Warning Point is required within 15 minutes of Emergency Classification.***
- ***Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.***
- ***Collection of Release Rate Data shall not delay State of Florida or NRC Notification.***
- ***If a transitory event has occurred, notifications are still required using this procedure.***

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification:

__ *ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification,*

__ *stop the current notification process, and*

__ *proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.*

5. **IF** Off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

   a. Complete a form similar to Attachment 1.

___ TIME

   b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

___ TIME

5.4.1 (Cont'd)

NOTES

- *State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.*
- *If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)*

____ TIME

c. Notify the State Warning Point in Tallahassee **AND** relay information from a form similar to Attachment 1 within 15 minutes of classifying the Unusual event via one of the following:

(1) Hot Ring Down Telephone

(2) Commercial Telephone (refer to ERD)

(3) Cellular Phone (refer to ERD)

(4) ESATCOM

(5) Local Government Radio

____ TIME

d. Complete a form similar to Attachment 2.

____ TIME

e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Unusual Event to State and Counties via one of the following:

(1) ENS

(2) Commercial Telephone (refer to ERD)

(3) Cellular Telephone (refer to ERD)

____ TIME

6. **IF** continued direction of the Emergency Response Activities adversely affects Control Room Activities, **THEN** consider turnover of EC duties to a designated member of the Plant Management Staff.

____ TIME

7. **IF** EC duties have been assumed by a designated member of the Plant Management Staff in the TSC, **THEN** contact affected NRC, State and Local Authorities to establish communication links and determine off-site support requirements.

5.4.1 (Cont'd)

8. Reassess plant conditions using Enclosure 1 periodically.

____ TIME

9. **IF** upgrading Emergency Class, **THEN** proceed to the applicable section of this procedure, using Enclosure 1.

____ TIME

10. **IF** notification responsibilities are with the Emergency Coordinator On-site, **THEN** provide notifications to the State and Counties every hour, unless less frequent updates are agreed to, upon termination, or as conditions change.

    a. Complete a form similar to Attachment 1.

____ TIME

    b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

____ TIME

    c. Notify the following of the new information:

        (1) State Warning Point

____ TIME

        (2) Duty Call Supervisor

____ TIME

    d. Complete a form similar to Attachment 2.

____ TIME

    e. Notify the NRCOC of the new information via one of the following:

        (1) ENS

        (2) Commercial telephone (refer to ERD)

11. Determine if the emergency can be terminated using Enclosure 3, DeEscalation Guidelines.

____ TIME

12. **IF** terminating the event, **THEN** perform the following:

____ TIME

    a. Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

    b. Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

        Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by:_____ Date:_____

5.5 Alert

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified, as directed by the Emergency Coordinator, or his designee, to prevent alarming intruders if Security Events warrant.

5.5.1 **IF** an Alert has been declared, **THEN** perform the following steps:

NOTES

- *Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC Notification time requirements.*
- *Notifications for Emergency Responder Organization (ERO) activation must be performed expeditiously to meet the emergency facility staffing time requirements.*

1. Document the sequence of events using the Emergency Log Book.

____ TIME

2. Inform or have Control Room personnel inform site personnel of the emergency via the Plant Page System using the Page Volume Boost. [Either (a) or (b)]

____ TIME

a. **IF** entering into an Alert, **THEN** perform the following:

____ TIME

(1) Make the following announcement:

Attention all personnel, attention all personnel: An Alert has been declared on Unit #_____ due to (provide a brief description of initiating event). All Emergency Response Organization members report to your designated Emergency response Facility. All other personnel report to your normal work location.

[The following announcement is Optional, per Substep 5.5.1.2]

All non-essential contract personnel are dismissed for the day.

(2) Sound the Emergency Plan Activation Alarm.

(3) Repeat the announcement.

5.5.1 (Cont'd)

CAUTION

RM approval is required prior to downgrading from a Site Area Emergency or General Emergency.

b. **IF** Downgrading to an Alert, **THEN** make the following announcement twice:

Attention all personnel, attention all personnel. The Emergency has been downgraded to an Alert.

CAUTION

If a significant release (process monitors off scale, or other indications) and/or security related events are in progress (intruders, bomb threat, etc.) inform emergency responders and site evacuees of the best access and egress routes to take on site to minimize hazards. During off hours, dispatch Security to route incoming Emergency Responders away from the hazardous routes.

NOTE

If Plant Events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

3. Direct the STA to initiate Activation of On-site Emergency Response Facilities (ERFs) per 0-EPIP-20104, Emergency Response Organization Notifications/Staff Augmentation.

_____
TIME

CAUTION

The Emergency Coordinator shall use good judgment prior to releasing contractors from the site and clearing those owner controlled areas outside the Protected Area. Such conditions as security events, release status, release duration, plant conditions, and meteorological conditions should be evaluated prior to moving personnel.

4. Determine the need to dismiss non-essential contract personnel from the site **AND** clear those areas outside the Protected Area.

_____
TIME

5.5.1 (Cont'd)

5. **IF** a precautionary clearing of personnel outside of the Protected Area is required, **THEN** perform the following:

   a. Inform Security to clear personnel from the following areas and implement applicable sections of Security Force Instruction (SFI) 6307:

   _____ TIME

      (1) Girl Scout Camp

      (2) Red Barn Area

      (3) Beach/Boat Ramp Area

      (4) Wellness Center

      (5) Switchyard

      (6) Barge Canal

      (7) US Naval Special Warfare Group Training School

      (8) Trailer Areas and other work areas

      (9) Land Utilization

   b. Contact the Watch Engineer of Units 1 and 2 **AND** inform them of the precautionary clearing of personnel.

   _____ TIME

6. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:

   a. Determine an assembly area for personnel evacuate from the affected area.

   _____ TIME

   b. Announce type and location, instruct personnel to stand clear, and to report to the assembly area.

   _____ TIME

   c. Sound applicable alarm, if not previously done.

   _____ TIME

   d. Announce type and location, instruct personnel to stand clear, and to report to the assembly area.

   _____ TIME

   e. Initiate Search and Rescue, as required.

   _____ TIME

5.5.1 (Cont'd)

CAUTIONS

- ***Notification to the State Warning Point is required within 15 minutes of emergency classification.***
- ***Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.***
- ***Collection of Release Rate Data shall not delay State of Florida or NRC notification.***
- ***If a transitory event has occurred, notifications are still required using this procedure.***

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification:

___ ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification,

___ stop the current notification process, and

___ proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.

7. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

   a. Complete a form similar to Attachment 1.

____
TIME

   b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

____
TIME

5.5.1 (Cont'd)

NOTES

- *State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.*
- *If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)*

____ TIME

c. Notify the State Warning Point in Tallahassee **AND** relay information from a form similar to Attachment 1 within 15 minutes of classifying the Alert via one of the following:

(1) Hot Ring Down Telephone

(2) Commercial Telephone (refer to ERD)

(3) Cellular Telephone (refer to ERD)

(4) ESATCOM

(5) Local Government Radio

____ TIME

d. Complete a form similar to Attachment 2.

____ TIME

e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Alert to State and Counties via one of the following:

(1) ENS

(2) Commercial Telephone (refer to ERD)

(3) Cellular Telephone (refer to ERD)

NOTE

Guidance for transferring of responsibilities can be found in Enclosure 2.

____ TIME

8. **IF** Emergency Response Facilities (TSC/OSC) are activated, **THEN** consider Emergency Coordinator Transfer to TSC.

____ TIME

9. **IF** the EOF is operational, then relinquish communication responsibilities of off-site agencies to Recovery Manager at EOF after a proper turnover/briefing.

5.5.1 (Cont'd)

10. Reassess plant conditions using Enclosure 1 periodically.

TIME

CAUTION

If the EOF is operational and the emergency has been upgraded, it is imperative that the Recovery Manager be notified concurrently with the declaration. This will ensure that the fifteen minute notification time limit is met.

11. **IF** upgrading emergency classification level, **THEN** proceed to applicable section of this procedure using Enclosure 1 **AND IF** the EOF is operational, **THEN** promptly notify the Recovery Manager.

TIME

12. **IF** notification responsibilities are with the Emergency Coordinator On site, **THEN** provide notification to the State and Counties every hour, unless less frequent updates have been agreed to, upon termination, or as conditions change.

a. Complete a form similar to Attachment 1.

TIME

b. Obtain the Emergency Coordinator's initials on the form prior to transmitting the information.

TIME

c. Notify the following of the updated information:

TIME

(1) State Warning Point

(2) Duty Call Supervisor

d. Complete a form similar to Attachment 2.

TIME

e. Notify the NRCOC with the updated information.

TIME

(1) ENS

(2) Commercial Telephone (refer to ERD)

5.5.1 (Cont'd)

NOTE

De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.

____ TIME

13. Determine if the emergency can be de-escalated or terminated, using Enclosure 3.

____ TIME

14. **IF** de-escalating or terminating the event, **THEN** perform one of the following:

    a. **IF** de-escalating, **THEN** return to the applicable section of this procedure using Enclosure 1.

    b. **IF** terminating the event, **THEN** perform one of the following:

        (1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

        (2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

            Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by:_____ Date:_____

5.6 Site Area Emergency

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified as directed by the Emergency Coordinator or his designee to prevent alarming intruders if security events warrant.

5.6.1 **IF** a Site Area Emergency has been declared, **THEN** perform the following steps:

CAUTION

De-escalation from Site Area Emergency must be done in concurrence with the RM.

NOTES

- *Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC Notification time requirements.*
- *Notifications for Emergency Responder Organization (ERO) activation must be performed expeditiously to meet the emergency facility staffing time requirements.*

1. Document sequence of events using the Emergency Log Book.

TIME

5.6.1 (Cont'd)

2. Inform, or have the Control Room inform site personnel of the emergency via Plant Page System using the Page Volume Boost [Either (a) or (b)]:

CAUTION

If a release is in progress, inform emergency responders of access routes to Emergency Response Facilities. During off hours, dispatch security to route incoming emergency responders away from hazardous routes.

a. **IF** ENTERING into a Site Area Emergency, **THEN** perform the following:

(1) Make the following announcement:

TIME

Attention all personnel; attention all personnel. A Site Area Emergency has been declared on Unit #_____ due to (provide brief description of initiating event). All Emergency Response Organization members report to your designated Emergency Response Facility.

(2) **IF** not previously performed, **THEN** sound the Emergency Plan Activation Alarm.

TIME

(3) Repeat the announcement.

TIME

CAUTION

RM approval is required prior to downgrading from a Site Area Emergency.

NOTE

De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.

b. **IF** downgrading to a Site Area Emergency, **THEN** make the following announcement twice:

TIME

Attention all personnel, Attention all personnel. The emergency has been downgraded to Site Area Emergency.

5.6.1 (Cont'd)

NOTE

If plant events (radiological or security threat considerations), warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

3. **IF** not previously performed, **THEN** instruct the STA to initiate activation of on-site Emergency Response Facilities (ERF) using 0-EPIP-20104, EMERGENCY RESPONSE ORGANIZATION NOTIFICATIONS/ STAFF AUGMENTATION.

TIME _____

NOTE

If winds are from 90° to 146°, consider the use of the alternate evacuation route.

4. Consider plant and radiological conditions as they relate to the emergency regarding site evacuation.

TIME _____

   a. Potential for release

   b. Duration of release

   c. Direction of release

   d. Meteorological conditions

   e. Plant conditions (need for supplemental emergency response personnel).

   f. Security threats to evacuees.

5.6.1 (Cont'd)

CAUTION

As conditions warrant, the Emergency Coordinator may delay, postpone, or make special requirements on the evacuation (Reference Step 5.1.17). If large doses will be received during an evacuation, it may be more effective to shelter non-essential personnel on site.

5. Implement an Owner Controlled Area Evacuation if no significant hazards exist which may threaten evacuees.

   a. **IF** the TSC Radiation Protection Supervisor is available, **THEN** discuss release status, release duration, and wind direction to determine applicable evacuation route and Off-site Assembly Area.

   _____ TIME

   b. Notify the Security Shift Supervisor for an evacuation of the Owner Controlled Area, including non-essential personnel from the Protected Area, **AND** instruct them to implement 0-EPIP-20110, CRITERIA FOR AND CONDUCT OF AN OWNER CONTROLLED AREA EVACUATION, and Security Force Instruction (SFI) 6307, EMERGENCY EVACUATION AND ACCOUNTABILITY.

   _____ TIME

   c. Notify the Watch Engineer of Units 1 and 2 of the Site Evacuation **AND** instruct them to initiate a roster of personnel left in the fossil units for shutdown of the fossil units.

   _____ TIME

   d. Inform, or have the Control Room inform, site personnel via Plant Page System **AND** complete the following steps:

   _____ TIME

CAUTION

If a significant release (process monitors off scale or other indications) and/or security related (intruders, bomb threat, etc.) events are in progress, inform emergency responders and site evacuees of the best access and egress routes to take to/from site to minimize hazards. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

(1) Make the following announcement using Page Volume Boost:

Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated off-site assembly area) by (route to off-site assembly area).

5.6.1 (Cont'd)

(2) Sound the Site Evacuation Alarm.

(3) Make the following announcement using Page Volume Boost:

Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated off-site assembly area) by (route to off-site assembly area).

6. Notify the TSC Security Supervisor (Security Shift Supervisor) to:

   a. Discuss the potential for the suspension of all or some safeguards. (Reference Step 5.1.18)

   _____ TIME

   b. Provide accountability information as needed (Names and Badge Numbers).

   _____ TIME

7. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:

   a. Determine an assembly area for personnel evacuated from the affected area.

   _____ TIME

   b. Announce type and location, instruct personnel to stand clear and report to the designated assembly area.

   _____ TIME

   c. **IF** not previously performed, **THEN** sound applicable alarm.

   _____ TIME

   d. Announce type and location, instruct personnel to stand clear and report to the designated assembly area.

   _____ TIME

   e. Initiate Search and Rescue as required.

   _____ TIME

8. **IF** the On-site Emergency Response Facilities (ERFs) are operational, **AND** Emergency Coordinator responsibilities have not transferred, **THEN** consider Emergency Coordinator transfer to TSC.

   _____ TIME

9. Update on-site emergency responders of the emergency conditions.

   _____ TIME

10. **IF** the EOF is operational, **THEN** relinquish communication responsibilities to off-site agencies to the Recovery Manager at the EOF.

   _____ TIME

5.6.1 (Cont'd)

CAUTIONS

- ***Notification to the State Warning Point is required within 15 minutes of the emergency classification.***
- ***Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.***
- ***Collection of Release Rate Data shall not delay the State of Florida or NRC Notifications.***
- ***If a transitory event has occurred, notifications are still required, using this procedure.***

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification,

___ensure that the State Warning Point has been notified of the emergency declaration within 15 minutes of making the initial classification,

___stop the current notification process, and

___proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.

11. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

    a. Complete a form similar to Attachment 1.

____ TIME

    b. Obtain the Emergency Coordinator initials on the form prior to transmitting the information.

____ TIME

5.6.1.11 (Cont'd)

NOTES

- *State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.*
- *If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)*

____ TIME

c. Notify the State Warning Point in Tallahassee and relay information from a form similar to Attachment 1 within 15 minutes of classifying the Site Area Emergency via one of the following:

(1) Hot Ring Down Telephone

(2) Commercial Telephone (refer to ERD)

(3) Cellular Phone (refer to ERD)

(4) ESATCOM

(5) Local Government Radio

____ TIME

d. Complete a form similar to Attachment 2.

____ TIME

e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Site Area Emergency to the State and Counties via one of the following:

(1) ENS

(2) Commercial Telephone (refer to ERD)

(3) Cellular Telephone (refer to ERD)

____ TIME

12. **IF** the On-site Emergency Response Facilities (TSC/OSC) are operational, **THEN** consider Emergency Coordinator transfer to the TSC.

____ TIME

13. **IF** the EOF is operational, **THEN** relinquish communication responsibilities with off-site agencies to the Recovery Manager at the EOF.

5.6.1 (Cont'd)

NOTE

Security has thirty minutes to provide a list of names of personnel not yet accounted for inside the Protected Area.

14. Determine the status of the owner Controlled Area Evacuation.

____ TIME

15. Reassess plant conditions using Enclosure 1 **AND** Attachment 3 periodically.

____ TIME

CAUTION

If the EOF is operational and the emergency has been upgraded, it is imperative that the Recovery Manager be notified concurrently with the declaration. This will ensure that the 15 minute notification time limit is not missed.

16. **IF** upgrading Emergency Classification, **THEN** proceed to applicable section of this procedure, using Enclosure 1 **AND IF** the EOF is operational, **THEN** notify the Recovery Manager promptly.

____ TIME

17. **IF** notification responsibilities are with the Emergency Coordinator On-site, **THEN** perform the following every hour, upon termination, or as conditions change:

    a. Complete a form similar to Attachment 1.

    ____ TIME

    b. The Emergency Coordinator shall initial the form prior to transmitting the information to verify Emergency Coordinator approval.

    ____ TIME

    c. Notify the following of the new information:

    ____ TIME

    (1) State Warning Point

    (2) Duty Call Supervisor

    d. Complete a form similar to Attachment 2.

    ____ TIME

    e. Notify the NRCOC with the new information.

    ____ TIME

18. Using Enclosure 3 determine if the emergency can be de-escalated or terminated.

____ TIME

19. **IF** conditions warrant, **THEN** recommend de-escalation of the Site Area Emergency to RM. (Any de-escalation from Site Area Emergency shall be determined by the RM.)

____ TIME

5.6.1 (Cont'd)

NOTE

De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.

TIME

20. **IF** de-escalating or terminating the event, **THEN** perform one of the following:

    a. **IF** de-escalating, **THEN** return to the applicable section of this procedure using Enclosure 1.

    b. **IF** terminating the event, **THEN** perform one of the following:

        (1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

        (2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

            Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by:_____ Date:_____

5.7 General Emergency

Time

NOTE

Prescribed emergency announcements may be omitted or modified as directed by the Emergency Coordinator or his designee, to prevent alarming intruders if security events warrant.

5.7.1 **IF** a General Emergency has been declared, **THEN** complete the following steps:

CAUTION

De-escalation from a General Emergency must be done in concurrence with the RM.

NOTES

- *Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC Notification time requirements.*
- *Notifications for Emergency Responder Organization (ERO) activation must be performed expeditiously to meet the emergency facility staffing time requirements.*

1. Document sequence of events using the Emergency Log Book.

TIME

CAUTION

If a release or security events are in progress, inform emergency responders of access routes to Emergency Response Facilities. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

TIME

2. Inform, or have the Control Room inform, site personnel of the emergency via Plant Page System using Page Volume Boost.

   a. Make the following announcement:

      Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit #_____ due to (provide brief description of initiating event). All Emergency Response Organization members report to your designated Emergency Response Facility.

   b. **IF** not previously performed, **THEN** sound the Emergency Plan Activation Alarm.

   c. Repeat the announcement.

5.7.1 (Cont'd)

NOTE

If plant events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to precautions.

____ TIME

3. **IF** not previously performed, **THEN** instruct STA to initiate activation of the On-site Emergency Response Facilities (ERF) using 0-EPIP-20104, EMERGENCY RESPONSE ORGANIZATION NOTIFICATIONS/ STAFF AUGMENTATION.

CAUTIONS

- ***RM approval is required prior to downgrading from a General Emergency.***
- ***Radiological, security threats and plant conditions shall also be considered when preparing to evacuate personnel. If large doses will be received during an evacuation, or if security threats jeopardize evacuation routes, it may be more effective to shelter non-essential personnel on site. Also, take into consideration the duration of the release, plant conditions, potential for release, and meteorological conditions.***

NOTE

If winds are from 90° to 146°, consider the use of the alternate evacuation route.

____ TIME

4. Implement an Owner Controlled Area Evacuation if no significant hazards exist which may threaten evacuees.

____ TIME

a. **IF** the TSC Radiation Protection Supervisor is available, **THEN** discuss release status, release duration, and wind direction to determine applicable evacuation route and off-site Assembly Area.

____ TIME

b. Notify the Security Shift Supervisor for an evacuation of the Owner Controlled Area, including non-essential personnel from the Protected Area, and instruct them to implement 0-EPIP-20110, CRITERIA FOR AND CONDUCT OF AN OWNER CONTROLLED AREA EVACUATION, and Security Force Instruction (SFI) 6307, EMERGENCY EVACUATION AND ACCOUNTABILITY.

____ TIME

c. Notify the Watch Engineer of Units 1 and 2 of the Site Evacuation **AND** instruct them to initiate a roster of personnel left in the fossil units for shutdown of the fossil units.

5.7.1 (Cont'd)

CAUTION

If a significant release (Process Monitors are off scale or other indicators) and/or security related events (intruders, bomb threat, etc.) are in progress, inform emergency responders and site evacuees of the best access and egress routes to take from the site to minimize hazards. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

____ TIME

d. Inform, or have Control Room personnel inform, site personnel via the Plant Page System and complete the following:

(1) Make the following announcement using Page Volume Boost:

Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated Off-site Assemble Area) by (route to Off-site Assembly Area).

5. Notify the TSC Security Supervisors (Security Shift Supervisor) to:

____ TIME

a. Discuss the potential for the suspension of all or some safeguards (Reference Step 5.1.18).

____ TIME

b. Provide accountability information as needed (names and badge numbers).

6. **IF** there is a localized emergency (fire, high radiation, toxic gas) **THEN** perform the following:

____ TIME

a. Determine an assembly area for personnel evacuated from the affected area.

____ TIME

b. Announce its type and location, instruct personnel to stand clear and report to the designated assembly area.

____ TIME

c. Sound applicable alarm, if not previously done.

____ TIME

d. Announce its type and location, instruct personnel to stand clear and report to the designated assembly area.

____ TIME

e. Initiate Search and rescue as required.

5.7.1 (Cont'd)

7. **IF** the On-site Emergency Response Facilities are operational, **THEN** consider Emergency Coordinator transfer to TSC.

TIME

8. Update on-site emergency responders of the emergency conditions.

TIME

9. **IF** the EOF is operational, **THEN** relinquish communication responsibilities with off-site agencies to the Recovery Manager at the EOF.

TIME

CAUTIONS

- ***Notification to the State Warning Point is required within 15 minutes of emergency classification.***
- ***Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.***
- ***Collection of Release Rate Data shall not delay State of Florida or NRC Notifications.***
- ***If a transitory event has occurred, notifications are still required using this procedure.***

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification,

___ensure that the State Warning Point has been notified of the Emergency Declaration within fifteen minutes of making the initial classification,

___stop the current notification process, and

___proceed to the steps corresponding to the new Emergency Classification, including notification of the new classification to the State Warning Point.

10. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

TIME

a. Complete a form similar to Attachment 1.

TIME

b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

5.7.1.10 (Cont'd)

NOTES

- *State Warning Point may request verification call back. If requested, they will call in on the black bell phone (Ringmaster) or cellular phone in the Control Room.*
- *If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)*

____ TIME

c. Notify State Warning Point in Tallahassee **AND** relay information from a form similar to Attachment 1 within 15 minutes of classifying the General Emergency via one of the following:

(1) Hot Ring Down Telephone

(2) Commercial Telephone (refer to ERD)

(3) Cellular Phone (refer to ERD)

(4) ESATCOM

(5) Local Government Radio

____ TIME

d. Complete a form similar to Attachment 2.

____ TIME

e. Contact the NRCOC **AND** relay the information from a form similar to Attachment 2 immediately after the notification of the General Emergency to State and Counties via one of the following:

(1) ENS

(2) Commercial Telephone (refer to ERD)

(3) Cellular Telephone (refer to ERD)

____ TIME

11. **IF** the On-site Emergency Response Facilities (TSC/OSC) are operational, **THEN** consider Emergency Coordinator transfer to TSC.

5.7.1 (Cont'd)

NOTES

- *Any de-escalation from General Emergency shall be determined by the RM.*
- *Security has 30 minutes to provide a list of names of personnel not yet accounted for inside the Protected Area.*

____ TIME

12. **IF** not previously performed, **THEN** determine the status of the Owner Controlled Area Evacuation.

____ TIME

13. Reassess plant conditions against Enclosure 1 **AND** Attachment 3 periodically.

14. **IF** notification responsibilities are with the Emergency Coordinator on-site, **THEN** provide notifications to the State and Counties every hour, upon termination, or as conditions change:

____ TIME

a. Complete a form similar to Attachment 1.

____ TIME

b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

____ TIME

c. Notify the following of the new information.

____ TIME

(1) State Warning Point

____ TIME

(2) Duty Call Supervisor

____ TIME

d. Complete a form similar to Attachment 2.

____ TIME

e. Notify the NRCOC with the new information.

____ TIME

15. Using Enclosure 3 determine if the emergency can be de-escalated or terminated.

5.7.1 (Cont'd)

NOTES

- *Any de-escalation from General Emergency shall be determined by the RM.*
- *De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.*

____ TIME

16. **IF** conditions warrant, **THEN** recommend de-escalation from General Emergency to the RM.

____ TIME

17. **IF** de-escalating or terminating the event, **THEN** perform one of the following:

    a. **IF** de-escalating, **THEN** return to the applicable section of this procedure using Enclosure 1.

    b. **IF** terminating the event, **THEN** perform one of the following:

        (1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

        (2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

            Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by:_____ Date:_____

END OF TEXT

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

1. Primary Leakage/LOCA

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Plant in Mode 1-2-3-4 **AND** Either **A.1** or **A.2**: **A.1** RCS Leakage GREATER THAN 10 GPM as indicated by: 1) Control Room observation **OR** 2) Inventory balance calculation **OR** 3) Field observation **OR** 4) Emergency Coordinator judgment **A.2** Failure of any primary system safety or relief valve to close resulting in an uncontrolled RCS depressurization.	**B.** Plant in Mode 1-2-3-4 **AND** RCS leakage greater than 50 gpm **AND** RCS leakage within available charging pump capacity **CAUTION:** This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator.	**C.** Plant in Mode 1-2-3-4 **AND** RCS leakage greater than 50 gpm **AND** RCS leakage greater than available charging pump capacity **CAUTION:** This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator.	Either **D.1** or **D.2**: --- **D.1** RCS leakage greater than 50 gpm **AND** RCS leakage greater than available charging pump capacity **AND** Containment pressure greater than 20 psig **CAUTION:** This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ ruptured steam generator. --- **D.2** Plant in Mode 1, 2, 3, 4, **AND** RCS leakage greater than 50 gpm **AND** RCS leakage greater than available charging pump capacity **AND** Loss of containment integrity which provides a flowpath to the environment. **CAUTION:** This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator --- **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
TI-465, 467, 469 TEC Flow Indicators	Charging/Letdown Flow Mismatch	RCS pressure Containment Pressure ARMS Charging/Letdown Flow Mismatch	RCS pressure Containment Pressure PRMS R-14
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

2. Steam Generator Tube Leak/Rupture

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Either **A.1** or **A.2**: **A.1** Greater than 500 gpd steam generator tube leakage to any one steam generator per Technical Specification 3.4.6.2, Reactor Coolant System --- **A.2** Greater than 1 gpm total steam generator tube leakage per Technical Specification 3.4.6.2, Reactor Coolant System	Either **B.1** or **B.2**: **B.1** Confirmed steam generator tube leakage greater than 50 gpm **AND** Steam generator tube leakage within available charging pump capacity **AND** Loss of off-site power --- **B.2** .Steam generator tube leakage greater than available charging pump capacity.	**C.** Steam generator tube leakage greater than available charging pump capacity **AND** Loss of offsite power --- **CAUTION:** Consult Attachment 3 for possible Protective Action Recommendations	
Possible Control Room Indicators			
PRMS R-15 PRMS R-19	PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch	PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch	
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

3. Loss of Secondary Coolant

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Either **A.1** or **A.2**: **A.1** Steamline or feedline break which results in Safety Injection actuation. --- **A.2** Failure of a steam generator safety or steam dump to atmosphere valve to close resulting in uncontrolled secondary depressurization.	**B.** Steamline or feedline break which results in Safety Injection actuation **AND** Evidence of significant (greater than 10 gpm) steam generator tube leakage in the affected steam generator.	**C.** Steamline or feedline break which results in Safety Injection actuation **AND** Confirmed RCS DEQ I-131 activity greater than or equal to 300 µCi/gm **AND** Confirmed steam generator tube leakage greater than 50 gpm in the affected steam generator **CAUTION:** Consult Attachment 3 for possible Protective Action Recommendations	
Possible Control Room Indicators			
	PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch	PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch	
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

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EMERGENCY CLASSIFICATION TABLE

4. Fuel Handling Accident

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
	B. A spent fuel element has been *dropped or damaged* **AND** Release of radioactivity from the damaged spent fuel element has been detected.	Either **C.1**, **C.2** or **C.3**: **C.1** Major damage to one or more spent fuel elements has occurred **AND** Affected area radiation monitors are greater than 10^3 mR/hr. --- **C.2** Major damage to one or more spent fuel elements has occurred **AND** Containment radiation levels greater than 1.3 E4 Rem/hr --- **C.3** Major damage to one or more spent fuel elements due to water level being below top of spent fuel.	
Possible Control Room Indicators			
	ARMS R-2, 5, 7, 8, 19, 21, 22 PRMS R-12, 14	PRMS R-2, 5, 7, 8, 19, 21, 22 PRMS R-12, 14 SFP Level Indication RI-6311A RI-6311B	
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

5. Loss of Safe Shutdown Functions/ATWS

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
	Either **B.1**, **B.2**, **B.3** or **B.4**: **B.1** Reactor critical **AND** Failure of the Reactor Protection System to initiate a trip signal when a trip setpoint has been exceeded. --- **B.2** Reactor critical **AND** Reactor fails to trip on automatic signal --- **B.3** Reactor critical **AND** Reactor fails to trip on manual signal --- **B.4** RCS temperature increasing due to loss of decay heat removal capability from all of the following: 1) RHR System **AND** 2) Forced RCS circulation **AND** 3) Natural RCS circulation	Either **C.1**, **C.2**, **C.3** or **C.4**: **C.1** Inability to bring the reactor subcritical with control rods --- **C.2** Plant in Mode 1-2-3 **AND** Loss of steam release capability from all of the following: 1) Condenser steam dumps **AND** 2) Atmospheric steam dumps **AND** 3) All steam generator safeties --- **C.3** Plant in Mode 1-2-3 **AND** Loss of secondary heat sink has occurred **AND** RCS bleed and feed is required. --- **C.4** Plant in Mode 1-2-3 **AND** RCS injection capability has been lost from: 1) Charging pumps **AND** 2) High-head SI pumps except due to loss of all AC power. Refer to Section 10, Loss of Power Conditions	Either **D.1** or **D.2**: **D.1** Inability to bring the reactor subcritical **AND** RCS pressure greater than 2485 psig. --- **D.2** Inability to bring the reactor subcritical **AND** Containment pressure greater than or equal to 4 psig. **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

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EMERGENCY CLASSIFICATION TABLE

6. Fuel Element Failure

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
A. RCS activity requiring plant shutdown or cooldown per Technical Specification 3.4.8.	Either **B.1**, **B.2** or **B.3**: **B.1** R-20 Reading of 2.5 R/hr, or confirmed RCS DEQ I-131 activity greater than or equal to 300 µCi/gm. --- **B.2** An increase of greater than 1% fuel failure in 30 minutes. --- **B.3** Total fuel failure of 5%.	Fuel element failure as indicated by **C.1**, **C.2** or **C.3**: **C.1** R-20 Reading of 2.5 R/hr, or confirmed RCS DEQ I-131 activity greater than or equal to 300 µCi/gm. **AND** RCS T_{hot} greater than 620°F. --- **C.2** Confirmed RCS DEQ I-131 activity greater than or equal to 300 µCi/gm. **AND** Core exit thermocouples greater than 700°F. --- **C.3** Containment high range radiation monitor reading greater than 1.3 E4 Rem/hr.	**D.** Fuel element failure as defined in Site Area Emergency of this section **AND** Any of the following is imminent or in progress: a) LOCA with loss of containment cooling **OR** b) LOCA with loss of containment integrity which provides a flowpath to the environment **OR** c) Steam generator tube rupture with unisolable flowpath from the ruptured steam generator to the environment. **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
	PRMS R-20 ARMS R-1 through R-6	Core Exit Thermocouples RI-6311A RI-6311B	
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

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EMERGENCY CLASSIFICATION TABLE

7. Uncontrolled Effluent Release

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
A release to the Unrestricted Area has occurred or is in progress which exceeds either **A.1** or **A.2**:	A release to the Unrestricted Area has occurred or is in progress which exceeds either **B.1** or **B.2**:	Performance of 0-EPIP-20126, Off-site Dose Calculation or off-site surveys indicate site boundary exposure levels have been exceeded as indicated by either **C.1**, **C.2**, **C.3** or **C.4**:	Performance of 0-EPIP-20126, Off-site Dose Calculation or off-site surveys indicate site boundary exposure levels have been exceeded as indicated by either **D.1**, **D.2**, **D.3** or **D.4**:
A.1 ODCM limits for gaseous release (Control 3.2) per off-site dose estimates performed in accordance with 0-EPIP-20126, Off-site Dose Calculations.	**B.1** Ten times ODCM limits for gaseous release (Control 3.2) per off-site dose estimates performed in accordance with 0-EPIP-20126, Off-site Dose Calculations.	**C.1** greater than or equal to 50 mrem/hr total dose rate for 1/2 hour	**D.1** greater than or equal to 1000 mrem/hr total dose rate
---	---	---	---
A.2 ODCM limits for liquid release (Control 2.3).	**B.2** Ten times ODCM limits for liquid release (Control 2.3).	**C.2** greater than or equal to 250 mrem/hr to the thyroid for 1/2 hour	**D.2** greater than or equal to 1000 mrem total dose (TEDE)
		---	---
		C.3 greater than or equal to 500 mrem/hr total dose rate for 2 minutes	**D.3** greater than or equal to 5000 mrem/hr to the thyroid
NOTE: Alarm Actuation does not in itself constitute exceeding ODCM limits.	**NOTE:** Alarm Actuation does not in itself constitute exceeding ODCM limits.	---	---
		C.4 greater than or equal to 2500 mrem/hr to the thyroid for 2 minutes	**D.4** greater than or equal to 5000 mrem thyroid dose (CDE)
		NOTE: Site boundary equals 1 mile radius from affected unit.	**NOTE:** Site boundary equals 1 mile radius from affected unit.
		CAUTION: Consult Attachment 3 for possible Protective Action Recommendations.	**CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

8. High Radiation Levels In Plant			
UNUSUAL EVENT	**ALERT**	**SITE AREA EMERGENCY**	**GENERAL EMERGENCY**
	Severe loss of control of radioactive materials as indicated by either **B.1**, **B.2**, or **B.3**: **B.1** Unexpected valid area monitor alarm from an undeterminable source with meter greater than 10^3 mR/hr. --- **B.2** Unexpected plant iodine or particulate airborne concentration greater than 1000 DAC as per 10 CFR 20 Appendix B, Table 1. --- **B.3** Unexpected direct radiation dose rate reading or unexpected airborne radioactivity concentration from an undetermined source in excess of 1000 times normal levels.	**C.** Containment High Range Radiation Monitor reading greater than 1.3 E4 Rem/hr. **NOTE:** Direct Chemistry to perform offsite dose estimates per 0-EPIP-20126, Off-site Dose Calculations. (See Section 7, Uncontrolled Effluent Release) **CAUTION:** Consult Attachment 3 for possible Protective Action Recommendations.	**D.** Containment High Range Radiation Monitor reading greater than 1.3 E5 Rem/hr. **NOTE** :Direct Chemistry to perform offsite dose estimates per 0-EPIP- 20126, Off-site Dose Calculations. (See Section 7, Uncontrolled Effluent Release) **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
	Area Radiation Monitors	RI-6311A RI-6311B	RI-6311A RI-6311B
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

9. Other Plant Conditions That Could Lead To Substantial Core Damage

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
			Either **D.1** or **D.2**: **D.1** Potential core damage indicated by all of the following: 1) Known LOCA greater than available charging pump capacity **AND** 2) Failure of ECCS to deliver flow to the core **AND** 3) Containment High Range Radiation Monitor reading greater than 1.3 E4 Rem/hr. --- **D.2** Potential core damage indicated by all of the following: 1) Loss of secondary heat sink **AND** 2) RCS bleed and feed required **AND** 3) No high-head SI flow available **AND** 4) No RHR flow for greater than 30 minutes **AND** 5) No AFW flow for greater than 30 minutes **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

10. Loss Of Power Conditions			
UNUSUAL EVENT	**ALERT**	**SITE AREA EMERGENCY**	**GENERAL EMERGENCY**
Either **A.1** or **A.2**: **A.1** Loss of offsite power to the: 1) A 4KV bus **AND** 2) B 4KV bus --- **A.2** Loss of on-site power capability as indicated by: 1) Loss of capability to power at least one vital 4KV bus from any of the four available emergency diesel generators.	Either **B.1** or **B.2**: **B.1** Loss of all vital on-site DC power. --- **B.2** Loss of offsite power **AND** Both associated emergency diesel generators fail to energize their associated 4KV buses. **NOTE:** Refer to Section 5, Loss of Safe Shutdown Function	Either **C.1**, **C.2** or **C.3** with fuel in the Reactor Vessel **C.1** Loss of all A/C power for greater than 15 minutes. --- **C.2** Loss of all vital on-site DC power for greater than 15 minutes. --- **C.3** Emergency Coordinator leaves Control Room within the first 15 minutes of a loss of all A/C **OR** DC power.	**D.** The following situation exists for greater than 1 hr with fuel in the Reactor Vessel. a) Loss of all A/C power **AND** b) Loss of all feedwater capability. CAUTION: Consult Attachment 3 for required *Protective Action Recommendations.*
Possible Control Room Indicators			
4KV Bus Voltage 4KV Bus Amps			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

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EMERGENCY CLASSIFICATION TABLE

11. Loss Of Assessment Functions

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Either A.1, A.2 or A.3: A.1 Unplanned loss of most or all Safety System Annunciators for greater than 15 minutes --- A.2 Loss of primary communications with off-site locations AND Loss of all backup communications with offsite locations --- A.3 Loss of effluent or radiological monitoring capability requiring plant shutdown.	B. Unplanned loss of ALL Safety System Annunciators AND Plant Transient in progress	C. Inability to monitor a significant transient in progress	
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

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EMERGENCY CLASSIFICATION TABLE

12. Natural Phenomena

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Plant in Mode 1-2-3-4 **AND** either **A.1**, **A.2**, **A.3** or **A.4**: **A.1** Confirmed hurricane warning **OR** **A.2** Confirmed tornado in owner controlled area **OR** **A.3** Any earthquake detected on site **OR** **A.4** Hurricane/flood surge that prevents land access to the site	Plant in any mode including defueled. **AND** either **B.1**, **B.2**, **B.3** or **B.4**: **NOTE:** If accurate projections of on-site wind speeds are not available within 12 hours of entering the hurricane warning, classify the event using current hurricane track and wind speeds to project on-site conditions. **B.1** Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 200 mph **OR** **B.1** Tornado striking any power block structure **OR** **B.3** Earthquake that could cause or has caused trip of the turbine generator or reactor **OR** **B.4** Hurricane/flood surge that raises water level greater than 18 feet above MLW	Plant in Mode 1-2-3-4 **AND** either **C.1**, **C.2** or **C.3**: **NOTE:** If accurate projections of on-site wind speeds are not available within 12 hours of entering the hurricane warning, classify the event using current hurricane track and wind speeds to project on-site conditions. **C.1** Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 225 mph **AND** the unit not expected to be in cold shutdown prior to the projected onset of hurricane force winds **OR** **C.2** Earthquake has caused loss of any safety system function **OR** **C.3** Hurricane/flood surge that raises water level greater than 18 feet above MLW and results in shutdown of turbine generator or reactor.	**D.** A major natural event (e.g., high winds, earthquake, flooding) has occurred, which has caused massive damage to plant systems resulting in any of the other General Emergency initiating conditions. **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

13. Hazards To Station Personnel And Equipment

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Safety of nuclear plant or personnel threatened by either **A.1**, **A.2**, **A.3**, **A.4** or **A.5**: **A.1** Aircraft crash on site --- **A.2** Unusual aircraft activity over facility --- **A.3** Toxic or flammable gas release --- **A.4** Turbine generator rotating component failure requiring rapid turbine shutdown --- **A.5** On-Site Explosion **NOTE:** Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas.	Either **B.1**, **B.1** or **B.3**: **B.1** A reduction in the level of safety of plant structures or components within the protected area due to damage caused by either 1), 2), or 3): 1) Aircraft crash **OR** 2) Missile impact **OR** 3) Explosion **NOTE:** Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas. **B.1** Toxic or flammable gas release which threatens plant operation. **B.3** Turbine generator failure resulting in casing penetration.	Either **C.1** or **C.2**: **C.1** Plant in Mode 1-2-3-4 **AND** Safety systems have failed or damage to vital structure has been caused by either 1), 2), or 3): 1) Aircraft crash **OR** 2) Missile impact **OR** 3) Explosion **NOTE:** Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas. **C.2** Toxic or flammable gas release into control or vital areas which renders one train of Safety Related Systems inoperable.	
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
(Page 14 of 17)
EMERGENCY CLASSIFICATION TABLE

14. Security

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
A. SECURITY THREAT due to any of the following: 1. Bomb threat 2. Attack threat — Land Vehicle — Waterborne — Airborne / Aircraft — Insider 3. Attempted Protected Area intrusion or breach 4. Sabotage attempt 5. Internal disturbance 6. Civil disturbance 7. Vital Area intrusion 8. Security Force strike 9. Credible site-specific security threat notification 10. Extortion/Coercion/Hostage threat against plant 11. Sniper attack 12. Validated notification from NRC providing information of an aircraft threat	B. Ongoing SECURITY Compromise due to any of the following: 1. Validated notification from the NRC of an Airliner attack threat less than 30 minutes away. 2. A notification from the site security force of any of the following within the Owner Controlled Area: Armed attack OR Explosive attack OR Airliner impact OR Other HOSTILE ACTION	C. Imminent loss of physical control of the plant due to any of the following: 1. Imminent occupancy of the Control Room or other vital area(s) by a HOSTILE FORCE. 2. A notification from the site security force that any of the following has occurred or is occurring within the protected area: Armed attack OR Explosive attack OR Airliner impact OR Other HOSTILE ACTION	D. SECURITY event resulting in loss of physical control of the facility. 1. A HOSTILE FORCE has taken control of plant equipment such that plant personnel are unable to operate equipment required to maintain safety functions. **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.

Possible Control Room Indicators

HOSTILE ACTION *- An act toward a Nuclear Power Plant or its personnel that includes the use of violent force to destroy equipment, takes hostages and / or intimidates the licensee to achieve an end. This includes attack by air, land or water using guns, explosives, projectiles, vehicles or other devices used to deliver destructive force. Other acts that satisfy the overall intent may be included.* ***HOSTILE ACTION*** *should* ***not*** *be construed to include acts of civil disobedience or felonious acts that are not part of a concerted attack on the Nuclear Power Plant. Non-terrorism based EALs should be used to address such activities, (e.g., violent acts between individuals in the Owner Controlled Area)*

HOSTILE FORCE *– One or more individuals who are engaged in a determined assault, overtly or by stealth and deception, equipped with suitable weapons capable of killing, maiming or causing destruction.*

AIRLINER *– a large aircraft with the potential for causing significant damage to the plant.*

Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
(Page 15 of 17)

EMERGENCY CLASSIFICATION TABLE

15. Control Room Evacuation			
UNUSUAL EVENT	**ALERT**	**SITE AREA EMERGENCY**	**GENERAL EMERGENCY**
	B. Control Room evacuation anticipated or required.	C. Control Room has been evacuated **AND** Local control of shutdown systems has **NOT** been established from local stations within 15 minutes.	
Possible Control Room Indicators			

16. Fire			
UNUSUAL EVENT	**ALERT**	**SITE AREA EMERGENCY**	**GENERAL EMERGENCY**
A. Uncontrolled fire within the power block lasting longer than 10 minutes.	B. Uncontrolled fire potentially affecting safety systems **AND** Offsite support required	C. Fire which prevents a safety system from performing its design function.	D. A major fire has occurred which has caused massive damage to plant systems resulting in any of the other General Emergency initiating conditions. **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
(Page 16 of 17)

EMERGENCY CLASSIFICATION TABLE

17. Plant Shutdown			
UNUSUAL EVENT	**ALERT**	**SITE AREA EMERGENCY**	**GENERAL EMERGENCY**
A. Any plant shutdown required by Technical Specifications in which the required shutdown mode is not reached within the Action Statement time limits.			
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 1
(Page 17 of 17)

EMERGENCY CLASSIFICATION TABLE

18. Other Plant Conditions Requiring Increased Awareness (Emergency Coordinator's Judgment)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
A. Emergency Coordinator's judgment that other plant conditions exist which warrant increased awareness on the part of the operating staff and/or local off-site authorities. **NOTE:** Activation of the Emergency Response Facilities does not require declaration of an emergency or entry into a specific emergency classification.	**B.** Emergency Coordinator's judgment that other plant conditions exist which warrant the increased awareness and activation of emergency response personnel.	**C.** Emergency Coordinator's judgment that other plant conditions exist which warrant the precautionary notification to the public near the site and the activation of FPL and off-site agency emergency response personnel. (Reflects conditions where some significant releases are likely or are occurring but where a core melt situation is not indicated based on current information)	**D.** Emergency Coordinator's judgment that other plant conditions exist which make release of large amounts of radioactivity, in a short period of time, possible (Loss of two fission product barriers with potential for loss of the third, such as, actual or imminent substantial core degradation or melting with the potential for loss of containment.) **CAUTION:** Consult Attachment 3 for required Protective Action Recommendations.
Possible Control Room Indicators			
Complete Actions listed in Subsection 5.4 Page 23	Complete Actions listed in Subsection 5.5 Page 28	Complete Actions listed in Subsection 5.6 Page 35	Complete Actions listed in Subsection 5.7 Page 44

ENCLOSURE 2
(Page 1 of 1)

GUIDELINES FOR EMERGENCY COORDINATOR WHEN TRANSFERRING RESPONSIBILITIES

The following subjects should be covered in the turnover, if applicable, when transferring responsibilities of Emergency Coordinator from Control Room to TSC and from TSC to EOF:

1. The current Emergency Classification.
2. Current Protective Action Recommendations.
3. Time and content of last notification made to the State and Counties.
4. Time and content of last notification made to the NRC.
5. Status of Plant.
6. Significant equipment issues.
7. Significant Emergency Response issues.
8. If communication links have been established.

ENCLOSURE 3
(Page 1 of 1)

DE-ESCALATION GUIDELINES

Once the Plant classifies a Site Area Emergency, or General Emergency, only the Recovery Manager has the authority to de-escalate to a lower classification level. The following guidelines provide points to consider when de-escalation may be appropriate.

1. Review Enclosure 1 to assure that classification criteria to enter event is no longer applicable, or referenced situations are under control.

2. Verify, additionally, that the plant is stable, under control, and trend or prognosis indicates that improvement is the most likely prospect. Consider the following:

   a. Sub-criticality

   b. Core cooling mode

   c. Heat sink mode

   d. RCS Pressure Boundary Integrity

   e. Inventory Control (Primary and Secondary Coolant)

3. Verify there is no foreseeable likelihood of a significant uncontrolled release. Consider the following:

   a. Containment Pressure

   b. Containment/Auxiliary Building Radiation Levels.

   c. Waste Gas Storage Tank Pressures and Activities

   d. Contaminated Water Volumes and Activities

4. Verify long-term staffing for both the site and EOF is organized in place as appropriate for the event.

5. Consider reviewing the USNRC Response Technical Manual (RTM-96), Section H, Intermediate Phase Protective Action Assessment, for guidance on whether the incident source and releases have been brought under control. (Reference Substep 2.1.2.4)

6. De-escalation of the event does not mean that protective actions for the General Public would be reduced or terminated.

7. Only State and County officials can implement, change and/or terminate protective actions.

ATTACHMENT 1
(Page 1 of 1)

FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An Actual Event
   Online Notification: ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY
2. A. Date__/__/__ B. Contact Time:____ C. Reported by: Name____
   D. Message Number:____ E. Reported From: ☐ Control Room ☐ TSC ☐ EOF
3. SITE A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 4
4. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ Alert
   C. ☐ Site Area Emergency D. ☐ General Emergency
5. A. ☐ EMERGENCY DECLARATION B. ☐ EMERGENCY TERMINATION Date: __/__/__ Time:____
6. REASON FOR EMERGENCY DECLARATION:* A. ☐ EAL Number:____ OR B. ☐ Description____
7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ ____
8. WEATHER DATA: A. Wind direction from ____ degrees, B. Downwind Sectors Affected ____, ____, ____
9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped
10. RELEASE SIGNIFICANCE CATEGORY (at the Site Boundary)
    A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)
    C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)
11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:
    A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES:____ OR	Miles	No Action	Evacuate Sectors	Shelter Sectors
SHELTER ZONES:____	0 - 2			
	2 - 5			
c. Consider Issuance of KI: ☐ YES ☐ NO	5 - 10			

If form is completed in the Control Room, go to Item 15. If completed in the TSC or EOF, continue with Item 12.

12. PLANT CONDITIONS:
    A. Reactor Shutdown? ☐ YES ☐ NO B. Core Adequately Cooled? ☐ YES ☐ NO
    C. Containment Intact? ☐ YES ☐ NO D. Core Condition: ☐ Stable ☐ Degrading
13. WEATHER DATA: A. Wind Speed____ mph B. Stability Class____
14. ADDITIONAL RELEASE INFORMATION:
    A. ☐ Noble Gases:____ Curies per second B. Iodines:____ Curies per second
    C. Airborne: Date Started:__/__/__ Time Started:____ Date Stopped:__/__/__ Time Stopped:____
    D. Liquid: Date Started:__/__/__ Time Started:____ Date Stopped:__/__/__ Time Stopped:____

Distance	Projected Thyroid Dose (CDE) for 1 Hour	Projected Total Dose (TEDE) for 1 Hour
1 Mile (Site Boundary)	E.____ mrem	F.____ mrem
2 Miles	G.____ mrem	H.____ mrem
5 Miles	I.____ mrem	J.____ mrem
10 Miles	K.____ mrem	L.____ mrem

EC or RM Approval Signature____ Date__/__/__ Time____

15. MESSAGE RECEIVED BY: Name____ Date__/__/__ Time____

2003 STATE NOTIFICATION FORM REVISION 9.doc 05/28/03

* IF EMERGENCY CLASS ESCALATION IS KNOWN TO BE NECESSARY AND A NEW NOTIFICATION FORM WILL BE TRANSMITTED WITHIN 15 MINUTES, THEN YOU MAY GO TO EC/RM APPROVAL SIGNATURE LINE.

F-439 (5/6/04)

W97:JR/dt/dw/ev

ATTACHMENT 1A
(Page 1 of 1)
FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM
METEOROLOGICAL WORKSHEET

SECTOR REFERENCE:

The chart below can be used to determine sectors affected by a radiological release, through comparison with wind direction from the meteorological recorders in the Control Room.

If the wind direction is directly on the edge of two sectors (e.g., 11°, 33°, 56°, etc.), an additional sector should be added to the protective action recommendations. For example, if the wind direction is from 78°, then the affected sectors for PARs should be L, M, N and P.

SECTOR INFORMATION:

WIND SECTOR	WIND FROM	DEGREES	WIND TOWARD	SECTORS AFFECTED
[A]	N	348-11	S	HJK
[B]	NNE	11-33	SSW	JKL
[C]	NE	33-56	SW	KLM
[D]	ENE	56-78	WSW	LMN
[E]	E	78-101	W	MNP
[F]	ESE	101-123	WNW	NPQ
[G]	SE	123-146	NW	PQR
[H]	SSE	146-168	NNW	QRA
[J]	S	168-191	N	RAB
[K]	SSW	191-213	NNE	ABC
[L]	SW	213-236	NE	BCD
[M]	WSW	236-258	ENE	CDE
[N]	*W*	*258-281*	*E*	*DEF*
[P]	WNW	281-303	ESE	EFG
[Q]	NW	303-326	SE	FGH
[R]	NNW	326-348	SSE	GHJ

STABILITY CLASSIFICATION REFERENCE:

The below chart can be used to determine atmospheric stability classification for notification to the State of Florida. Primary method is from ΔT via the South Dade (60 meter) tower. Backup method is from Sigma Theta via the Ten Meter Tower. If neither meteorological tower is available, Stability Classification shall be determined using data from National Weather Service (See 0-EPIP-20126, Off-site Dose Calculations).

CLASSIFICATION OF ATMOSPHERIC STABILITY:

Stability Classification	Pasquill Categories	Primary Delta T (°F)	Backup Sigma Theta Range (Degrees)
Extremely unstable	A	$\Delta T \leq -1.7$	$ST \geq 22.5$
Moderately unstable	B	$-1.7 < \Delta T \leq -1.5$	$22.5 > ST \geq 17.5$
Slightly unstable	C	$-1.5 < \Delta T \leq -1.4$	$17.5 > ST \geq 12.5$
Neutral	D	$-1.4 < \Delta T \leq -0.5$	$12.5 > ST \geq 7.5$
Slightly stable	E	$-0.5 < \Delta T \leq +1.4$	$7.5 > ST \geq 3.8$
Moderately stable	F	$+1.4 < \Delta T \leq +3.6$	$3.8 > ST \geq 2.1$
Extremely stable	G	$+3.6 < \Delta T$	$2.1 > ST$

Meteorological information needed to fill out the Florida Nuclear Plant Emergency Notification Form is available from the Dose Calculation Worksheet (0-EPIP-20126). The Worksheet shall be filled out by Chemistry and given to the Emergency Coordinator.

F-439.2/2 (5/6/04)

ATTACHMENT 1B
(Page 1 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

ITEM ENTRY

On-line Verification - Check the appropriate boxes as the State Warning Point (Florida Division of Emergency Management) requests that Miami-Dade County and Monroe County get on the line, prior to initiating the notification. All three agencies must be notified through the SWP or alternate means.

1. Check appropriate box for drill or actual emergency as the case may be. During exercises, drills, or tests, each message shall be checked **THIS IS A DRILL.**

2A. Enter today's date.

2B. Enter the time (using the official time, normally synchronized with ERDADS) when contact is made with the State Warning Point or the start time of the RM PAR Briefing. For initial notification of classification, this shall be within 15 minutes of the **Emergency Declaration** time in item 5.

2C. Enter the name of the person making the notification call.

2D. Enter the message number beginning with #1 and following sequentially in all facilities (e.g., if the Control Room transmitted two messages the TSC would start with #3).

2E. Check the box for the facility from which the notification is being made.

3. Site
Check the box for the appropriate plant site for the emergency declaration (both PTN boxes might need to be checked for dual unit events such as approach of a hurricane).

4. Emergency Classification
Check the box corresponding to current accident classification declared.

5. Emergency Declaration or Emergency Termination
Enter the **date** and **time** when the current emergency classification was declared (A) or (B) when the emergency was terminated.

ATTACHMENT 1B
(Page 2 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

6. Reason for Emergency Declaration
Enter the Emergency Action Level (EAL) number (A) or (B) enter wording like that found in the EAL information in 0-EPIP-20101, Duties of the Emergency Coordinator. Wording should be brief yet descriptive enough for the off-site agencies to gain an understanding of the event. It should be clear from the incident description which EAL has necessitated the emergency declaration. Wording should be as non-technical as possible with no acronyms or abbreviations. This information should remain the same throughout update messages, unless there is a classification change.

* asterisk and instruction provided at the bottom of form - If Emergency Class escalation is necessary due to rapidly degrading conditions, Then provide the State and County authorities with the initial notification information by transmitting lines 1-6, at a minimum, on the State Notification Form (SNF) and terminate the call by stating that a new notification form will be provided within 15 minutes.

7. Additional Information or Update
Check **None** (A) or (B) Description and enter additional information, if necessary, or reason for update here. For example:

- Protective Action Recommendations (PARs) change
- An occurrence that would otherwise result in a lower emergency classification, on other unit
- Weather changes affecting public safety
- Radiation level changes
- Loss of off-site power, etc.

ATTACHMENT 1B
(Page 3 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

NOTE

*If the Class A Model (dose projection model) is being used, a **State Notification Form Summary Sheet** is available which provides information for items 8-11, 13 and 14. The information is in a format similar to that found on the Florida Nuclear Plant Emergency Notification Form.*

8. Weather Data

NOTE

*If available, **Primary** data should be used.*

Desired Data	Source of the Met Data	
	Primary	Backup
Wind Speed	10m Tower	So Dade (60m) Tower
Wind (from) Direction	10m Tower	So Dade (60m) Tower
Primary Stability Class Indicator	So Dade (60m) Tower Delta-T, ΔT	////////////////////
Alternate Stability Class Indicator	////////////////////	10m Tower Sigma-Theta
Ambient Air Temperature	ERDADS	Airport

A. Wind direction can be obtained from ERDADS by depressing the **PURPLE RAD** key, on the keyboard.

B. If the wind direction is greater than 360° the wind direction is determined by subtracting 360° from the indicated number. Wind direction should be rounded to the nearest whole number.

C. Wind direction is always given as **wind from** (an easterly wind, or wind direction 90°, means that the wind is blowing from east to west).

D. When determining the sectors affected, the adjacent sectors on both sides of the actual downwind sector are included. Three sectors will typically be listed.

E. If the wind is located on the edge of a sector (i.e., 11°, 33°, etc.) an additional (fourth) sector should be added.

F. Enter the wind direction (wind from) in degrees in item A.

ATTACHMENT 1B
(Page 4 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

8. (continued)

G. Enter the downwind sectors in item **B.**

Wind From	Sectors Affected	Wind From	Sectors Affected	Wind From	Sectors Affected
348-11	HJK	123-146	PQR	236-258	CDE
11-33	JKL	146-168	QRA	258-281	DEF
33-56	KLM	168-191	RAB	281-303	EFG
56-78	LMN	191-213	ABC	303-326	FGH
78-101	MNP	213-236	BCD	326-348	GHJ
101-123	NPQ	There is no **O** sector		There is no **I** sector	

9. Release Status

A. If there are no indications of a release of radioactive material, check box **A** and go to item 11.

A release of radioactive material (during any declared emergency) is defined as:

- Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values

OR

- Radiation Protection detecting airborne radioactivity levels in excess of 25% derived air concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

B. If a release of radioactive material is occurring, even though it may be less than normal operating limits, check box **B.**

C. If a release has occurred but stopped, check box **C.**

Dose Assessment personnel in the TSC or EOF will have this information. The TSC Chemistry Supervisor, TSC RP Supervisor or EOF RP Manager should be contacted for the data.

ATTACHMENT 1B
(Page 5 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

10. Release Significance Category
Do Not Check Any Box in Item 10 if you Checked Box 9 A No Release

A. If a release is occurring or has occurred and dose information is not available at the time of notification, check box **A** and follow up as soon as information becomes available.

B. Check box **B** if both noble gas and iodine release rates are within normal operating limits.

C. Check box **C** if either noble gas or iodine release rates exceed the normal operating limits but forecasted 1 mile doses are less than 500 mrem TEDE and 1000 mrem Thyroid CDE. These doses are less than the state's Protective Action Guide (PAG) levels.

D. Check box **D** if forecasted 1 mile doses are greater than or equal to either 500 mrem TEDE or 1000 mrem Thyroid CDE. These PAG levels require state and county action.

11. Utility Recommended Protective Actions

A. If there are no Protective Action Recommendations (PARs), check Box **A**.

B. If PARs are necessary, check Box **B**. Two formats are provided to record PARs. Use the **sector** format and determine appropriate PARs using the guidance in Attachment 3 to this procedure. Copy the PARs into item 11 **B**. Indicate PARs using only the words NONE, ALL, ALL REMAINING or by listing the letters of the sectors affected. Protective Action Recommendations shall be approved by the Emergency Coordinator (EC) or the Recovery Manager (RM). The **zone** format is for Crystal River Unit 3 use only.

C. Check the **Yes** box (to consider issuance of potassium iodide (KI) only if a General Emergency has been declared.

ATTACHMENT 1B
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DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

12. Plant Conditions

Answer the three questions **Yes** or **No** by checking the appropriate box.

A. Is the reactor shut down?

B. Is the core adequately cooled?

C. Is the containment intact?

Answer the question regarding the condition of the core as either stable or degrading.

13. Weather Data

A. Temperature, wind speed and wind direction can be obtained from ERDADS by depressing the **PURPLE RAD** key, on the keyboard.

B. Enter wind speed in Miles Per Hour (MPH) in item **A.**

C. Stability Class - Enter the stability class as determined by using the figure below. The figure shows the relationship between the Delta T and Sigma-Theta displayed by ERDADS and the stability class.

If using Delta-T, ΔT	If using Sigma-Theta, $\sigma\theta$	Stability Class
$\Delta T \leq -1.7$	$\sigma\theta \geq 22.5$	A
$-1.7 < \Delta T \leq -1.5$	$22.5 > \sigma\theta \geq 17.5$	B
$-1.5 < \Delta T \leq -1.4$	$17.5 > \sigma\theta \geq 12.5$	C
$-1.4 < \Delta T \leq -0.5$	$12.5 > \sigma\theta \geq 7.5$	D
$-0.5 < \Delta T \leq +1.4$	$7.5 > \sigma\theta \geq 3.8$	E
$+1.4 < \Delta T \leq +3.6$	$3.8 > \sigma\theta \geq 2.1$	F
$+3.6 < \Delta T$	$2.1 > \sigma\theta$	G

ATTACHMENT 1B
(Page 7 of 7)

DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

14. Additional Release Information

This section requires that a release be in progress and completed results of dose assessment be available. Check the **N/A** box if no release is occurring and/or if dose information is not available. Otherwise, provide all information that applies.

A. Enter the noble gas release rate in curies per second.

B. Enter the iodine release rate in curies per second.

C. For an airborne release, enter the date and time started and when terminated, the date and stopped.

D. For a liquid release, enter the date and time started and when terminated, the date and time stopped.

Projected Dose Information - Enter the projected Thyroid Dose (CDE) in mrem for 1 hour (EPIP-20126, Off-Site Dose Calculation, Line 5) and the projected Total Dose (TEDE) in mrem for 1 hour (EPIP-20126, Off-Site Dose Calculation, Line 16) for the site boundary 2, 5 and 10 miles.

15. Message Received By

Enter the name of the State Warning Point Duty Officer or the individual that receives the notification. Enter the time at the State Warning Point (request it from the Duty Officer) and indicate the date the call is completed.

ATTACHMENT 1C
(Page 1 of 6)
EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT
EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
1 ABNORMAL PRIMARY LEAK RATE	UE	1.A.1	Reactor Coolant System Leakage greater than 10 gallons per minute (gpm)
	UE	1.A.2	Failure of any primary system safety or relief valve to close resulting in uncontrolled RCS depressurization
	A	1.B	Reactor Coolant System Leakage greater than 50 gallons per minute (gpm) and within available charging pump capacity
	SAE	1.C	RCS leakage greater than 50 gpm and greater than available charging pump capacity
	GE	1.D.1	RCS leakage greater than 50 gpm and greater than available charging pump capacity and containment pressure greater than 20 psig
	GE	1.D.2	RCS leakage greater than 50 gpm and greater than available charging pump capacity and loss of containment integrity which provides a flowpath to the environment.
2 STEAM GENERATOR TUBE LEAK/ RUPTURE	UE	2.A.1	Greater than 500 gallons per day steam generator tube leakage to any one steam generator
	UE	2.A.2	Greater than 1 gallon per minute total steam generator tube leakage
	A	2.B.1	Confirmed steam generator tube leakage greater than 50 gpm and within available charging pump capacity and a loss of off-site power
	A	2.B.2	Steam generator tube leakage greater than available charging pump capacity
	SAE	2.C	Steam generator tube leakage greater than available charging pump capacity and a loss of off-site power
3 LOSS OF SECONDARY COOLANT	UE	3.A.1	Steam line or feed line break which results in safety injection
	UE	3.A.2	Failure of a steam generator safety or steam dump to atmosphere valve to close resulting in uncontrolled secondary depressurization.
	A	3.B	Steam line or feed line break which results in safety injection and evidence of significant (greater than 10 gpm) steam generator tube leakage in the affected steam generator.
	SAE	3.C	Steam line or feed line break which results in safety injection and confirmed reactor coolant system DEQ I-131 activity greater than or equal to 300 µCi/gm and confirmed steam generator tube leakage greater than 50 gpm in the affected steam generator.
4 FUEL HANDLING ACCIDENT	A	4.B	A spent fuel element has been dropped or damaged and a release of radioactivity from the damaged spent fuel element has been detected
	SAE	4.C.1	Major damage to one or more spent fuel elements has occurred and affected area radiation monitors are greater than 10^3 mR/hr.
	SAE	4.C.2	Major damage to one or more spent fuel elements has occurred and containment radiation levels greater than 1.3 E4 Rem/hr
	SAE	4.C.3	Major damage to one or more spent fuel elements due to water level being below top of spent fuel.

UE	**Notification of Unusual Event**
A	**Alert**
SAE	**Site Area Emergency**
GE	**General Emergency**

ATTACHMENT 1C
(Page 2 of 6)
EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
5 LOSS OF SHUTDOWN FUNCTIONS/ ATWS	A	5.B.1	Reactor critical and a failure of the reactor protection system to initiate a trip signal when a trip setpoint has been exceeded.
	A	5.B.2	Reactor critical and the reactor fails to trip on automatic signal.
	A	5.B.3	Reactor critical and the reactor fails to trip on manual signal.
	A	5.B.4	Reactor Coolant System temperature increasing due to loss of decay heat removal capability
	SAE	5.C.1	Inability to bring the reactor subcritical with control rods
	SAE	5.C.2	Loss of steam release capability
	SAE	5.C.3	Loss of secondary heat sink has occurred
	SAE	5.C.4	Reactor coolant system injection capability has been lost
	GE	5.D.1	Inability to bring the reactor subcritical and reactor coolant system pressure greater than 2485 psig.
	GE	5.D.2	Inability to bring the reactor subcritical and Containment pressure greater than or equal to 4 psig
6 FUEL ELEMENT FAILURE	UE	6.A	Reactor coolant system activity requiring plant shutdown or cooldown
	A	6.B.1	Control Room radiation monitor R-20 reading 2.5 R/hr. or confirmed DEQ I-131 activity greater than 300 µCi/gm.
	A	6.B.2	An increase of greater than 1% fuel failure in 30 minutes
	A	6..B.3	Total fuel failure of 5%
	SAE	6.C.1	Control Room radiation monitor R-20 reading 2.5 R/hr. or confirmed DEQ I-131 activity greater than 300 µCi/gm and RCS temperature greater than 620°F
	SAE	6.C.2	Control Room radiation monitor R-20 reading 2.5 R/hr. or confirmed DEQ I-131 activity greater than 300 µCi/gm and core exit thermocouples greater than 700°F
	SAE	6.C.3	Containment high range radiation monitor greater than 1.3 E4 Rem/hr
	GE	6.D	Fuel element failure with a LOCA and loss of containment cooling or Fuel element failure with LOCA and loss of containment integrity or Fuel element failure with steam generator tube rupture and unisolable flowpath from the ruptured steam generator to the environment

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ATTACHMENT 1C
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EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
7 UNCONTROLLED EFFLUENT RELEASE	UE	7.A.1	A release to the unrestricted area has occurred or in progress which exceeds Off-site Dose Calculation Manual limits for gaseous release
	UE	7.A.2	A release to the unrestricted area has occurred or in progress which exceeds Off-site Dose Calculation Manual limits for liquid release
	A	7.B.1	A release to the unrestricted area has occurred or in progress which exceeds 10 times Off-site Dose Calculation Manual limits for gaseous release
	A	7.B.2	A release to the unrestricted area has occurred or in progress which exceeds 10 times Off-site Dose Calculation Manual limits for liquid release
	SAE	7.C	Off-site dose calculations or surveys indicate site boundary levels exceed either 1. Greater than or equal to 50 mrem/hr total dose rate for 1/2 hour 2. Greater than or equal to 250 mrem/hr to the thyroid for 1/2 hour 3. Greater than or equal to 500 mrem/hr total dose rate for 5 minutes 4. Greater than or equal to 2500 mrem/hr to the thyroid for 5 minutes
	GE	7.D	Off-site dose calculations or surveys indicate site boundary levels exceed either 1. Greater than or equal to 1000 mrem/hr total dose rate 2. Greater than or equal to 1000 mrem/hr total dose (TEDE) 3. Greater than or equal to 5000 mrem/hr to the thyroid 4. Greater than or equal to 5000 mrem/hr thyroid dose (CDE)
8 HIGH RADIATION LEVELS IN PLANT	A	8.B.1	Unexpected valid area radiation monitor alarm from an undeterminable source reading greater than 10^3 mR/hr
	A	8.B,2	Unexpected plant iodine or particulate airborne concentration greater than 1000 DAC per 10 CFR 20 App. B Table 1
	A	8.B.3	Unexpected direct radiation dose rate reading or unexpected airborne radioactivity concentration from an undetermined source in excess of 1000 tirnes normal levels.
	SAE	8.C	Containment high Range Radiation Monitors read greater than 1.3 E4
	GE	8.D	Containment high Range Radiation Monitors read greater than 1.3 E5
9 OTHER PLANT CONDITIONS THAT COULD LEAD TO SUBSTANTIAL CORE DAMAGE	GE	9.D.1	Potential core damage indicated by known LOCA greater than available charging pump capacity **and** failure of the emergency core cooling system **and** containment high range radiation monitors reading greater than 1.3 E4
	GE	9.D.2	Potential core damage indicated by loss of secondary heat sink **and** reactor coolant bleed **and** feed required and no high pressure safety injection flow **and** no residual heat removal for greater than 30 minutes **and** no auxiliary feedwater flow for greater than 30 minutes

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EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
10 LOSS OF POWER	UE	10.A.1	Loss of off-site power to the 4 KV busses
	UE	10.A.2	Loss of on-site power capability to at least one 4 KV bus
	A	10.B.1	Loss of vital on-site DC power
	A	10.B.2	Loss of off-site power and both emergency diesel generators failed
	SAE	10.C.1	Loss of all A/C power for greater than 15 minutes
	SAE	10.C.2	Loss of vital on-site DC power for greater than 15 minutes
	SAE	10.C.3	Emergency Coordinator leaves the control room within the first 15 minutes of a loss of all AC **or** DC power
	GE	10.D	Loss of all A/C power **and** loss of all feedwater capability
11 LOSS OF ASSESSMENT FUNCTIONS	UE	11.A.1	Unplanned loss of most or all safety system annunciators for greater than 15 minutes
	UE	11.A.2	Loss of primary communications with off-site locations and Loss of all backup communications with off-site locations
	UE	11.A.3	Loss of effluent or radiological monitoring capability requiring plant shutdown
	A	11.B	Unplanned loss of ALL safety system annunciators **and** a plant transient is in progress
	SAE	11.C	Inability to monitor a significant plant transient in progress
12 NATURAL PHENOMENA	UE	12.A.1	*Confirmed hurricane warning*
	UE	12.A.2	Confirmed tornado in the owner controlled area
	UE	12.A.3	Any earthquake in the owner controlled area
	UE	12.A.4	*Hurricane / flood surge that prevents land access to the site*
	A	12.B.1	Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 200 mph
	A	12.B.2	Tornado striking any power block structure
	A	12.B.3	Earthquake that could or has caused a trip of the turbine generator or reactor
	A	12.B.4	Hurricane / flood surge that that raises water level to greater than 18 feet above MLW
	SAE	12.C.1	Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 225 mph and the unit is not expected to be in cold shutdown *prior to the projected onset of hurricane force winds*
	SAE	12.C.2	Earthquake has caused the loss of any safety system function
	SAE	12.C.3	Hurricane / flood surge that that raises water level to greater than 18 feet above MLW and results in the shutdown of the turbine generator or reactor
	GE	12.D	A major natural event has occurred which has caused massive damage to the plant systems resulting in any other General Emergency condition

UE	**Notification of Unusual Event**
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ATTACHMENT 1C
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EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
13 HAZARDS TO STATION PERSONNEL AND EQUIPMENT	UE	13.A.1	Aircraft crash on-site
	UE	13.A.2	Unusual aircraft activity over the facility
	UE	13.A.3	Toxic or flammable gas release
	UE	13.A.4	Turbine generator rotating component failure requiring rapid turbine shutdown
	UE	13.A.5	On-site explosion
	A	13.B.1	A reduction in the level of plant safety of plant structures or components within the protected area due to damage caused by either: **1.** Aircraft crash **2.** Missile impact **3.** Explosion
	A	13.B.2	Toxic or flammable gas release which threatens plant operation
	A	13.B.3	Turbine generator which causes casing penetration
	SAE	13.C.1	Safety systems have failed or damage has been caused by either: **1.** Aircraft crash **2.** Missile impact **3.** Explosion
	SAE	13.C.2	Toxic or flammable gas release into control or vital areas which renders one train of safety related systems inoperable
14 SECURITY THREAT	UE	14.A. 1-13	A SECURITY Threat. (See Emergency Plan "Emergency Classification Table 3-1" for detail)
	A	14.B	Ongoing SECURITY Compromise
	SAE	14.C	Imminent loss of physical control of the plant
	GE	14.D	SECURITY event resulting loss of physical control of the facility.
15 CONTROL ROOM EVACUATION	A	15.B	Control room evacuation considered or required
	SAE	15.C	Control Room has been evacuated
16 FIRE	UE	16.A	Uncontrolled fire within the power block lasting longer than 15 minutes
	A	16.B	Uncontrolled fire potentially affecting safety systems and off-site support required
	SAE	16.C	Fire which prevents a safety system from performing its design function
	GE	16.D	A major fire has occurred which has caused massive damage to the plant systems resulting in any other General Emergency condition
17 PLANT SHUTDOWN	UE	17.A	Any plant shutdown required by Technical Specification in which the required shutdown mode is not reached within the action statement time limits

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ATTACHMENT 1C
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EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

EAL DESCRIPTIONS FOR FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM			
18 OTHER PLANT CONDITIONS REQUIRING INCREASED AWARENESS (EMERGENCY COORDINATORS JUDGEMENT)	UE	18.A	Emergency Coordinators judgment that other plant conditions exist which warrant increased awareness on the part of the operating staff and/or local off-site authorities.
	A	18.B	Emergency Coordinators judgment that other plant conditions exist which warrant increased awareness and activation of emergency response personnel.
	SAE	18.C	Emergency Coordinators judgment that other plant conditions exist which warrant the precautionary notification to the public near the site and activation of FPL and off-site agency emergency response personnel.
	GE	18.D	Emergency Coordinators judgment that other plant conditions exist which make the release of large amounts of radioactivity in short period of time possible

UE	Notification of Unusual Event
A	Alert
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ATTACHMENT 2
(Page 1 of 2)

EVENT NOTIFICATION WORKSHEET
NRC FORM 361

NRC FORM 361 (12-2000) — US NUCLEAR REGULATORY COMMISSION — OPERATIONS CENTER

REACTOR PLANT EVENT NOTIFICATION WORKSHEET EN#

NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-816-5100 OR 800-532-3469*, BACKUPS - [1st] 301-951-0550 or 800-449-3694*, [2nd] 301-415-0550 AND [3rd] 301-415-0553. *Licensees who maintain their own ETS are provided these telephone numbers.

NOTIFICATION TIME	FACILITY OR ORGANIZATION	UNIT	NAME OF CALLER	CALL BACK #

EVENT TIME & ZONE	EVENT DATE	POWER/MODE BEFORE	POWER/MODE AFTER

EVENT CLASSIFICATIONS		1-Hr. Non-Emergency 10 CFR 50.72(b)(1)						
GENERAL EMERGENCY	GEN/AAEC		TS Deviation		ADEV		(v)(A)	Safe S/D Capability	AINA
SITE AREA EMERGENCY	SIT/AAEC	4-Hr. Non-Emergency 10 CFR 50.72(b)(2)					(v)(B)	RHR Capability	AINB
ALERT	ALE/AAEC		(i)	TS Required S/D	ASHU		(v)(C)	Control of Rad Release	AINC
UNUSUAL EVENT	UNU/AAEC		(iv)(A)	ECCS Discharge to RCS	ACCS		(v)(D)	Accident Mitigation	AIND
50.72 NON-EMERGENCY	(see next columns)		(iv)(B)	RPS Actuation (scram)	ARPS		(xii)	Off-site Medical	AMED
PHYSICAL SECURITY (73.71)	DDDD		(xi)	Off-site Notification	APRE	60-Day Optional 10 CFR 50.73(a)(1)			
MATERIAL/EXPOSURE	B???	8-Hr. Non-Emergency 10 CFR 50.72(b)(3)					Invalid Specified System Actuation		AINV
FITNESS FOR DUTY	HFIT		(ii)(A)	Degraded Condition	ADEG	Other Unspecified Requirement (Identity)			
OTHER UNSPECIFIED REQMT.	(see last column)		(ii)(B)	Unanalyzed Condition	AUNA				NONR
INFORMATION ONLY	NNF		(iv)(A)	Specified System Actuation	AESF				NONR

DESCRIPTION

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions or planned, etc. *(Continue on back)*

NOTIFICATIONS	YES	NO	WILL BE
NRC RESIDENT	☐	☐	☐
STATE(s)	☐	☐	☐
LOCAL	☐	☐	☐
OTHER GOV AGENCIES	☐	☐	☐
MEDIA/PRESS RELEASE	☐	☐	☐

ANYTHING UNUSUAL OR NOT UNDERSTOOD? ☐ YES (Explain above) ☐ NO

DID ALL SYSTEMS FUNCTION AS REQUIRED? ☐ YES ☐ NO (Explain above)

MODE OF OPERATION UNTIL CORRECTED:: | ESTIMATED RESTART DATE:: | ADDITIONAL INFO ON BACK ☐ YES ☐ NO

NRC FORM 361 (12-200)

F-443/1:2 – Rev. 0 (1/10/03)
W97:JR/dt/dw/ev

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EVENT NOTIFICATION WORKSHEET
NRC FORM 361

ADDITIONAL INFORMATION — PAGE 2 OF 2

RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS *(specific details/explanations should be covered in event description)*

LIQUID RELEASE	GASEOUS RELEASE	UNPLANNED RELEASE	PLANNED RELEASE	ONGOING	TERMINATED
MONITORED	UNMONITORED	OFF-SITE RELEASE	T.S. EXCEEDED	RM ALARMS	AREAS EVACUATED
PERSONNEL EXPOSED OR CONTAMINATED		OFF-SITE PROTECTIVE ACTIONS RECOMMENDED		*State release path in description	

	Release Rate (Ci/sec)	% T.S. LIMIT	HOO GUIDE	Total Activity (Ci)	% T.S. LIMIT	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 uCi/sec			0.01 Ci
Particulate			1 uCi/sec			1 mCi
Liquid *(excluding tritium and dissolved noble gases)*			10 uCi/min			0.1Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

	PLANT STACK	CONDENSER AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER
RAD MONITOR READINGS:					
ALARM SETPOINTS:					
% T.S. LIMIT *(if applicable)*					

RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: *(specific details/explanations should be covered in event description)*

LOCATION OF THE LEAK *(e.g., SG #, valve, pipe, etc)*

LEAK RATE:	UNITS: gpm/gpd	T.S. LIMITS:	SUDDEN OR LONG TERM DEVELOPMENT:
LEAK START DATE:	TIME:	COOLANT ACTIVITY AND UNITS:	☐ PRIMARY ☐ SECONDARY

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL:

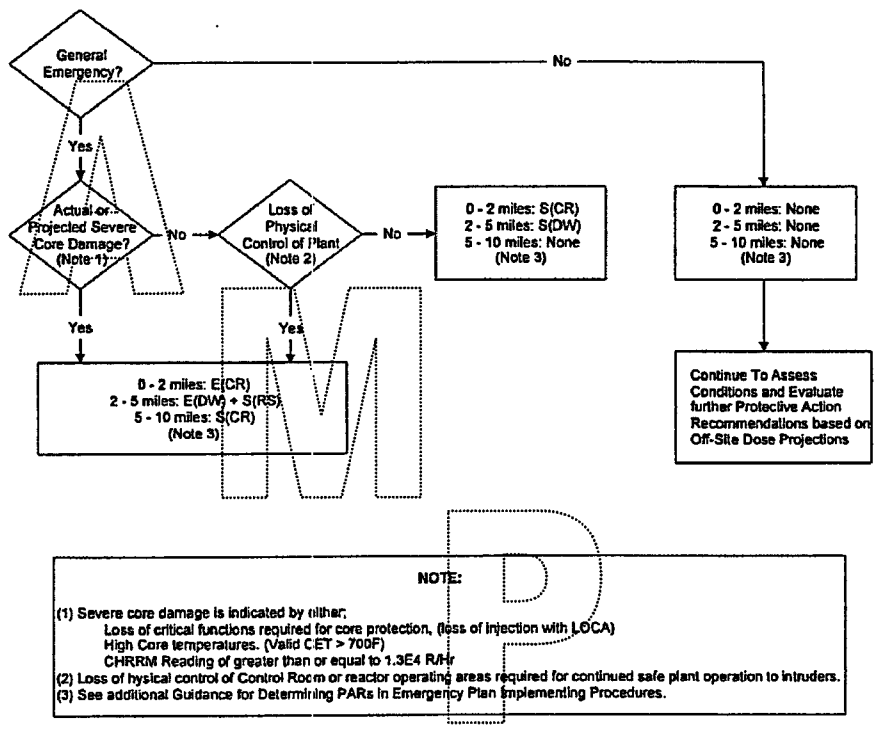
EVENT DESCRIPTION *(Continued from front)*

F-443/2:2 -- Rev. 0 (1/10/03)

W97:JR/dt/dw/ev

ATTACHMENT 3
(Page 1 of 6)
GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BASED ON PLANT CONDITIONS



NOTE:

(1) Severe core damage is indicated by either;
- Loss of critical functions required for core protection, (loss of injection with LOCA)
- High Core temperatures. (Valid CET > 700F)
- CHRRM Reading of greater than or equal to 1.3E4 R/Hr

(2) Loss of hysical control of Control Room or reactor operating areas required for continued safe plant operation to intruders.
(3) See additional Guidance for Determining PARs in Emergency Plan Implementing Procedures.

ATTACHMENT 3
(Page 2 of 6)

GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BASED ON MANUAL DOSE CALCULATIONS

RELEASE DURATION LESS THAN 2 HOURS (PUFF RELEASE)

Total Dose TEDE Dose (mrem)	OR	Thyroid Dose CDE (mrem)	0-2 Miles Use 1 Mi. value	2-5 Miles Use 2 Mi. Value	Beyond 10 miles use this column and the 10 mile dose value. 5-10 Miles Use 5 Mi. Value
< 500mrem		<1000mrem	None	None	None
≥ 500 mrem but <1000 mrem		≥ 1000 mrem but <5000 mrem	S(CR)	S(DW)	S(DW)
≥1000 mrem but <5000 mrem		≥ 5000 mrem but < 25000 mrem	S(CR)	S(CR)	S(CR)
≥ 5000 mrem		≥ 25000 mrem	E(CR)	E(DW)+S(RS)	E(DW)+S(RS)

RELEASE DURATION GREATER THAN OR EQUAL TO 2 HOURS

Total Dose TEDE Dose (mrem)	OR	Thyroid Dose CDE (mrem)	0-2 Miles Use 1 Mi. value	2-5 Miles Use 2 Mi. Value	Beyond 10 miles use this column and the 10 mile dose value. 5-10 Miles Use 5 Mi. Value
< 500mrem		<1000mrem	None	None	None
≥ 500 mrem but <1000 mrem		≥ 1000 mrem but <5000 mrem	S(CR)	S(DW)	S(DW)
≥1000 mrem but <5000 mrem		≥ 5000 mrem but < 25000 mrem	E(CR)	E(DW)+S(RS)	E(DW)+S(RS)
≥ 5000 mrem		≥ 25000 mrem	E(CR)	E(CR)	E(DW)+S(RS)

SUMMARY	0 - 2 MI.	2 – 5 MI.	5 – 10 MI.
PARs based on – Plant Conditions			
PARs based on – Total Dose (TEDE)			
PARs based on – Thyroid Dose (CDE)			
Most Conservative PARs based on Plant Conditions and Dose Projections			

LEGEND OF ABBREVIATIONS
S – Sheltering recommended
E – Evacuation recommended
DW – Downwind plus 2 adjoining sectors
RS – Remaining sectors
CR – Complete radius around plant at specified distance.

ATTACHMENT 3
(Page 3 of 6)

GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

CAUTION

Previously issued PARs, unless found to be less conservative, are to remain in effect until the source of the threat is clearly under control.

FPL is required to provide county and state governmental authorities with recommendations for protective action to be taken by the public during radiological emergencies at the Turkey Point Nuclear Plant. The responsible authorities are the State Division of Emergency Management (DEM), Miami-Dade County Office of Emergency Management and Monroe County Office of Emergency Management.

Protective Action Recommendations (PARs) should be made utilizing all of the available data. This includes plant status, off-site dose projections and/or field monitoring data. The more conservative recommendations should be made.

Beginning at the top left side, answer the **General Emergency** question. If yes, continue on, following the arrows, and answering the other question blocks. Record the PARs based on Plant Condition (A) in the Summary Block at the bottom of the page. From the PAR based on Plant Condition's block continue following arrow to next box, and determine PARs based on Off-site Dose Projections (B) Total Dose (TEDE) and Thyroid Dose (CDE). In determining PARs, both plant conditions AND off-site doses must be considered for all PARs. If a release has not occurred, then proceed with issuance of PARs from the plant condition determination.

To determine PARS from off-site doses, find the blocks that correspond with the Total Dose (TEDE) and Thyroid Dose (CDE) at 1, 2 and 5 miles from the Dose Calculation Worksheet (0-EPIP-20126). Follow across to the column that indicates the distance where that dose was found i.e., first block for 1 mile, second block for 2 miles, or third block for 5 miles. (B) Record the PARs based on Off-site Doses in the Summary Block. Once PARs are determined for all mile sectors for both Total Dose (TEDE) and Thyroid Dose (CDE) (B), then a comparison with the Plant Condition PARs (A) is performed, and the most conservative PARs for each mile sector is selected for issuance to off-site agencies.

The following example is provided:

EXAMPLE

A release has occurred at the Turkey Point Plant. The wind direction is from the SSE and the projected off-site accumulated Thyroid Dose (CDE) is 5,000 mrem at 1 mile, 1,000 mrem at 2 miles, and less than 1,000 mrem at 5 miles. The plant is in a General Emergency with CHRRM at 100 R/hr, no core damage indicators, and no loss of physical control of the plant.

ATTACHMENT 3
(Page 4 of 6)

GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

Using the PAR Worksheet, the following recommendations should be made:

Based on our current assessment of all the information now available to use, Florida Power & Light Company recommends that you consider taking the following protective actions.

A. EVACUATE all people between 0 and 2 miles from the plant.

B. SHELTER all people between a 2 and 5 mile radius form the plant who are in Sectors Q, R and A (refer to Attachment 1).

C. No protective actions is recommended between a 5 and 10 mile radius from the plant.

Due to the large political and legal ramifications of these recommendations and the potential impact on FPL, the following guidelines, format and content should be used.

(1) If the emergency has not been classified as a GENERAL EMERGENCY and the off-site doses are LESS THAN 500 mrem Total Dose (TEDE) or 1,000 mrem Thyroid Dose (CDE) at 1 mile over the projected duration of the release, no protective action is recommended. When reporting to DEM and other off-site agencies who inquire, this should be reported in a manner similar to the following:

Based on our urgent assessment of all the information now available to us, Florida Power & Light Company recommends that you consider taking the following protective actions - NONE. This recommendation may change in the future, but we cannot now say when it may change or what the change may be.

(2) When available, both plume calculation and off-site monitoring results should be evaluated when making protective action recommendations. If significant discrepancies exist between field monitoring results and plume dispersion calculations, then the discrepancy should be reviewed, and the appropriate value should be selected in the determination of protective action recommendations.

ATTACHMENT 3
(Page 5 of 6)

GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

(3) Thyroid Dose (CDE) Limits for PARs are based on adult thyroid. These limits are consistent with EPA Guidelines based on the following criteria:

a. uncertainty and potential errors associated with age specific parameters, and

b. level of conservatism in the adult values.

(4) Loss of physical control of the plant to intruders shall be determined by the Emergency Coordinator based on the current operating mode requirements of the unit/plant, and the availability of equipment required for continued safe operation.

ATTACHMENT 3
(Page 6 of 6)

GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

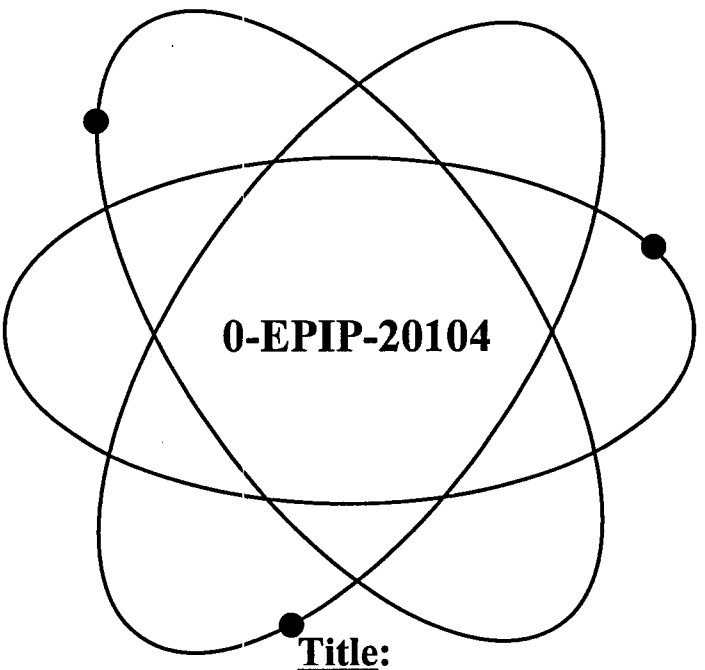
Guidance for the use of Potassium Iodide (KI) – A Thyroid Blocking Agent

1. The EOF RP Manager in consultation with the TSC RP Supervisor will determine the need to dispense Potassium Iodide (KI) based upon a projected or actual thyroid Committed Dose Equivalent (CDE) of greater than or equal to 5 rem. (The thyroid CDE of greater than or equal to 5 rem is based on the FDA recommended threshold for ingestion of KI by pregnant and lactating women).
2. The TSC RP Supervisor and the OSC RP Supervisor will coordinate KI distribution once a decision for use has been determined.
3. The TSC RP Supervisor is responsible for KI distribution to personnel in the Unit 3 and 4 Control Room and the TSC and Field Monitoring Teams and to Security personnel not assigned to the OSC.
4. The OSC RP Supervisor is responsible for distribution in the OSC.
5. KI should be administered and ingested within 2 hours after the determination is made that thyroid CDE is greater than or equal to 5 rem.
6. When KI is issued, thyroid intakes will be estimated by whole body counts.
7. Administering KI after an uptake may limit thyroid CDE depending on time after exposure.
8. Caution emergency response personnel of potential KI side effects if they are allergic to shellfish or iodide. Emergency response personnel who know they have such allergies should be replaced in lieu of directing them to ingest KI.
9. All KI tablets are stored in the RP kits in the Unit 3 and 4 Control Room, TSC, OSC and Field Monitoring Team Kits.

FINAL PAGE

Florida Power & Light Company

Turkey Point Nuclear Plant



Title:

Emergency Response Organization Notifications/Staff Augmentation

Safety Related Procedure	
Responsible Department:	Emergency Preparedness
Revision Approval Date:	1/18/06

***RTSs** 96-0772P, 00-0248P, 01-0590, 02-0354P, 06-0021*

W97:WDJ/dt/ev/ev

LIST OF EFFECTIVE PAGES

Page	Revision Date
1	01/18/06
2	01/18/06
3	01/18/06
4	03/06/02
5	05/17/02
6	03/06/02
7	03/06/02
8	03/06/02
9	03/06/02
10	03/06/02
11	03/06/02
12	01/18/06
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22	01/18/06
23	01/18/06

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides instruction for activation of the Emergency Response Organization and implements the Turkey Point Plant Radiological Emergency Plan.

1.2 When the Emergency Plan is activated, certain notifications should be made. This procedure outlines the call structure to be used to ensure these notifications occur.

NOTE

Although the Emergency Coordinator is responsible for specific notifications, his notifications are not outlined in this procedure. Emergency Coordinator notifications are outlined in 0-EPIP-20101, Duties of the Emergency Coordinator.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-018, Fitness for Duty
2. 0-ADM-115, Notification of Plant Events
3. 0-EPIP-1102, Duties of the Recovery Manager
4. 0-EPIP-1211, Duties of the Corporate Communication Emergency Response Organization for Turkey Point
5. 0-EPIP-1212, Emergency Operations Facility (EOF) Activation and Operation
6. 0-EPIP-20101, Duties of the Emergency Coordinator
7. 0-EPIP-20132, Technical Support Center (TSC), Activation and Operation
8. 0-EPIP-20133, Operations Support Center (OSC), Activation and Operation

2.1.2 Miscellaneous Documents (PC/M, Correspondence etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Emergency Response Directory
3. Security Force Instruction 6307, Emergency Evacuation
4. NRC Interim Compensatory Measures (ICM) Order, Reference Section 5.d, dated February 25, 2002

2.2 Records Required

2.2.1 None

2.3 Commitment Documents

2.3.1 None

3.0 RESPONSIBILITIES

NOTE

Fitness for Duty Responsibilities for Emergency Responders are identified in 0-ADM-018, Fitness for Duty.

3.1 The following individuals are responsible for initiating notifications to personnel specified in the Emergency Response Directory outlined in this procedure.

3.1.1 The Duty Call Supervisor

3.1.2 Shift Technical Advisor

3.1.3 TSC Security Supervisor (Security Shift Specialist)

3.1.4 Assistant to the Duty Call Supervisor

3.2 Emergency Response Organization members who report to the Technical Support Center, Operations Support Center, or the Emergency Operations Facility are responsible for the following:

NOTE

Emergency Response personnel should have available, at all times, the relevant sections of the Emergency Response Directory, their callout lists, or call out card for their augmentation responsibilities.

3.2.1 Making notifications, if applicable, to personnel specified in the Emergency Response Directory as outlined in this procedure.

3.2.2 Assembling promptly at the appropriate Emergency Response Facility.

3.2.3 Notifying the Emergency Preparedness Coordinator when a change pertinent to information appearing in the Emergency Response Directory occurs.

3.2.4 Maintaining a copy of pertinent sections of the Emergency Response Directory or their call out card available during off-normal hours.

3.3 The Emergency Preparedness Coordinator is responsible for quarterly verification and updating of the Emergency Response Directory.

3.4 Fitness For Duty

3.4.1 Emergency Plan Responders are responsible for informing callers of their Fitness For Duty.

3.4.2 Consumption of alcohol during 5 hours prior to an Emergency Plan call-out shall not, by itself, preclude the use of individuals needed to respond to an emergency.

3.4.3 If an individual called in for Emergency Plan response has consumed alcohol within the 5 hour abstinence period, his/her fitness for duty must be determined by breath analysis or other means.

3.4.4 Normal call-out documentation does not apply during an Emergency Plan call-out.

4.0 DEFINITIONS

4.1 Emergency Response Directory (ERD) - The directory containing names and phone numbers of Emergency Response Organization personnel.

4.2 On Call Roster - Weekly schedule of plant management who are on call. This schedule is issued in the Plan-of-the-Day on Fridays.

4.3 Normal Business Hours - Hours between 7:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays.

4.4 Off-Normal Business Hours - Hours between 4:00 p.m. and 7:30 a.m., Monday through Friday, all day during holidays, Saturdays, and Sundays.

4.5 Call Out Card - Emergency Response Call out Card containing the necessary information for responders to make their required call outs for activating the Emergency Response Facilities. These cards are usually a reduced version of the notification pages in the Emergency Response Directory. A date should appear at the top of each card for verification of the most current information as listed in the current quarterly revision of the Emergency Response Directory.

4.6 AutoDialer/FPL Emergency Recall System (ERS) - A computer based automated call-out system used to activate the Emergency Response Organization.

5.0 PROCEDURE

NOTE

Subsection 5.1 defines activities to be performed if the emergency plan is being activated and the Emergency Response Facilities ARE NOT being activated.

- *The Shift Technical Advisor and Duty Call Supervisor, have responsibilities defined in both Subsections 5.1 and 5.2.*
- *Phone numbers necessary to complete the following call outs can be located in the Emergency Response Directory or on the Plant On Call Roster.*
- *During Off-Normal Business Hours, notifications should be made by contacting the responder using home phone number first, and if no response is received, the responder's pager number should be used.*
- *During Normal Business Hours, the primary means for notification of the Emergency Response Organization for activation of the Emergency Response Facilities is by Plant Page. If requested by an Emergency Coordinator to make notifications, the responder's office phone number should be called first, and if no response is received, the responder's pager number should be used.*

5.1 If the Emergency Plan is being activated and the Emergency Response Facilities are not being activated (Unusual Event), the following steps should be performed:

5.1.1 The Shift Technical Advisor or designee should perform the following:

NOTE

If long distance access is needed, an FPL ITN Number can be obtained from the NPS.

1. Obtain a copy of the Florida Nuclear Plant Emergency Notification Form (Form similar to Attachment 1) completed by the Emergency Coordinator or designee.

5.1.1 (Cont'd)

CAUTION

The Duty Call Supervisor is required to make additional notifications to Plant Management as required by 0-EPIP-20104, therefore, it is necessary for him/her to be notified as quickly as possible.

NOTE

Duty Call Supervisor phone numbers are listed in the ERD in Section 1, Immediate Notifications.

2. If the emergency has occurred during normal business hours, contact to a Duty Call Supervisor should be made by calling his office phone number first.

3. If the emergency has occurred during off-normal business hours, contact to a Duty Call Supervisor should be made by calling his/her home phone number first.

4. If no answer, use beeper.

5. If no answer, use cellular phone number, if listed.

6. If no answer, notify the Emergency Coordinator to acquire additional support to make the Duty Call Supervisor notifications.

7. If the Duty Call Supervisor answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1).

   a. Instruct the Duty Call Supervisor to make notifications to personnel using this procedure as listed in the Duty Call Supervisor Call List No. 2 in the Emergency Response Directory.

8. When requested by the Emergency Coordinator or designee, notify the Duty Call Supervisor of changes in plant conditions or upon termination of the event.

5.1.2 The Duty Call Supervisor should perform the following:

CAUTION

If a Plant Event has occurred, not requiring Emergency Classification the Duty Call Supervisor shall use 0-ADM-115, NOTIFICATION OF PLANT EVENTS, for making notifications.

1. Fill out the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) from the information given by the Shift Technical Advisor or designee.

NOTE

*The Duty Call Supervisor should make notifications for each position by contacting responders, in the order given in the Emergency Response Directory or for **On Call** positions, the person designated on the **On Call Roster** may be contacted.*

2. If the emergency has occurred during normal business hours, contact to one responder for each position listed in the Emergency Response Directory Duty Call Supervisor Call List No. 2 should be made by completing the following steps:

   a. Call the office number of the first responder.

   b. If the responder answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.

   c. If no answer, go to the next responder.

      (1) Call the office number of the next responder.

   d. Repeat the preceding Substeps 5.1.2.2.b and 5.1.2.2.c until one responder for each position has been notified or all office numbers have been attempted.

   e. If the position has not been notified using office numbers, attempt contact by beeper.

      (1) When a responder for the position calls back, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.

5.1.2.2 (Cont'd)

f. Repeat the preceding Substeps 5.1.2.2.a through 5.1.2.2.e, until all positions listed in the Duty Call Supervisor Call List No. 2 and Nuclear Division Duty Officer Call List No. 1 have been notified.

i. Ensure that the Emergency Coordinator is informed of any positions that could not be notified.

3. If the emergency has occurred during off-normal business hours, contact to one responder for each position listed in the Emergency Response Directory Duty Call Supervisor Call List No. 2 should be made by completing the following steps:

   a. Call the home number of the first responder.

   b. If the responder answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.

   c. If no answer, go to the next responder.

      (1) Call the home number of the next responder.

   d. Repeat the preceding Substeps 5.1.2.3.b and 5.1.2.3.c until one responder for the position has been notified or all home numbers have been attempted.

   e. If the position has not been notified using home phone numbers, attempt contact by beeper.

      (1) When a responder for the position calls back, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.

   f. Go to the next call out position.

      (1) Repeat the preceding Substeps 5.1.2.3.a through 5.1.2.3.f, until all positions listed in the Duty Call Supervisor Call List No. 2 have been notified.

   g. Ensure that the Emergency Coordinator is informed of any positions that could not be notified.

NOTE

If the Technical Support Center has been activated, and if directed by the Emergency Coordinator, it may not be necessary to perform the following steps.

4. Remain accessible by telephone for further updates unless directed otherwise.

5. When notified that the emergency condition has changed or no longer exists, contact previously notified personnel as listed in the Emergency Response Directory.

NOTES

Subsection 5.2 defines activities to be performed if the Emergency Plan is being activated and the Emergency Response Facilities ARE being activated.

- *The Shift Technical Advisor, Duty Call Supervisor, and Assistant to the Duty Call Supervisor have responsibilities defined in both Subsections 5.1 and 5.2.*
- *Phone numbers necessary to complete the following call outs can be located in the Emergency Response Directory or on the Plant On Call Roster.*
- *During Off-Normal Business Hours, notifications should be made by contacting the responder using home phone No. first, and if no response is received, the responder's pager No. should be used.*
- *During Normal Business Hours, the primary means for notification of the Emergency Response Organization for activation of the Emergency Response Facilities is by Plant Page and beepers.*

5.2 If the Emergency Plan is being activated and the Emergency Response Facilities are being activated (Alert or higher classification or at the discretion of the Emergency Coordinator), the following steps should be performed:

NOTE

The STA is to make these notifications unless these actions will interfere with his/her accident assessment responsibilities. If the STA is not available to make these notifications, the Emergency Coordinator is responsible for ensuring these notifications are delegated to another on shift individual.

5.2.1 The Shift Technical Advisor or designee should contact the positions as listed in the Emergency Response Directory Shift Technical Advisor Call List by completing the following steps:

1. Obtain a copy of the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) completed by Emergency Coordinator or designee.

5.2.1 (Cont'd)

NOTE

The Duty Call Supervisor is required to make additional notifications to Plant Management as required by this procedure; therefore, it is necessary for him/her to be notified as quickly as possible.

2. Contact the Duty Call Supervisor by performing the following:

NOTE

The Duty Call Supervisor is listed on the Plant On Call Roster. If a roster is not available, any Duty Call Supervisor, as listed in the Emergency Response Directory, Section 1, Immediate Notification, can be contacted.

a. If the emergency has occurred during normal business hours, use office number first, then beeper, if necessary.

b. If the emergency has occurred during off normal business hours, use home number first, then cell phone, then beeper, if necessary.

c. Relay Florida Nuclear Plant Emergency Notification Form information to the Duty Call Supervisor.

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.
D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those off-site ERO members that would be responding to a security event to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

d. If requested by the Emergency Coordinator or designee, notify the Duty Call Supervisor of changes in plant conditions or upon termination of the event.

3. Contact the On-Shift Security Captain.

a. Instruct the On-Shift Security Captain to perform responsibilities using this procedure.

5.2.2 The Duty Call Supervisor should perform the following:

1. Fill out the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) from the information given by the Shift Technical Advisor of designee.

NOTE

It is the responsibility of the Duty Call Supervisor to understand the event as classified and whether the ERFs will be activated (EC discretion at Unusual Event, required for Alert and higher).

2. Verify that an Emergency Plan Activation has been declared (Unusual Event, Alert, Site Area Emergency, General Emergency) and that the Emergency Response Facilities are being activated.

NOTE

*The Duty Call Supervisor should make notifications for each position by contacting responders, in the order given in the Emergency Response Directory or for **On Call** positions, the **On Call Roster** may be used.*

3. As directed by the Emergency Coordinator, initiate call-out of Emergency Response Members (ERO) using Attachment 2, FPL Emergency Recall System (ERS) Activation Checklist, or Attachment 3, Lotus Notes Paging Instructions for Emergencies and Security Events.

4. If emergency has occurred during normal business hours, then activate the appropriate autodialer scenario. Notifications to the NRC Resident Inspector, Nuclear Division Duty Officer, and the EOF HP Manager are the only other requirements unless otherwise instructed by the Emergency Coordinator.

5. If emergency has occurred during off normal business hours, then begin call-out of ERO members, as directed in the ERD (after initiating the autodialer).

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.
D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those off-site ERO members that would be responding to a security event to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

a. Call the home number of the first responder.

5.2.2.5 (Cont'd)

NOTE

Responders are responsible for informing callers of their fitness for duty.

b. If the responder answers, relay a message similar to the following:

(1) **This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.**

c. If no answer, go to the next responder.

(1) Call the home number of the next responder.

d. Repeat the preceding Substeps 5.2.2.4.b and 5.2.2.4.c until the appropriate number of responders for the position has been notified or all home numbers have been attempted.

e. If the position has not been filled by using home phone number, call the beeper of each responder.

(1) When responders for that position call back, relay a message similar to the preceding message.

(2) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.

f. Go to the next call out position.

(1) Repeat the preceding Substeps 5.2.2.4.a through 5.2.2.4.f until all positions listed in the Duty Call Supervisor Call List No. 2 and No. 3 have been filled.

6. Verify that the Autodialer system has activated, use one of the following:

a. Open the "Communicator!" program. Click on "Activate", then select "Activation Status Monitor

b. Report received on printer in the Control Room, TSC, or EOF.

c. Report of appropriate pager activation from the FPL Pager.

5.2.2 (Cont'd)

NOTE

If autodialer activation is indicated, then notify any previously call ERO members contacted, with call out responsibilities, to suspend the manual call-out and respond as appropriate.

7. Ensure that the TSC Supervisor, (DCS), is informed of any positions that could not be filled.

NOTE

If the Technical Support Center has been activated, and if directed by the Emergency Coordinator, it may not be necessary to perform Substeps 5.2.2.8 or 5.2.2.9.

8. Remain accessible by telephone for further updates unless directed otherwise.

9. When notified that the emergency condition has changed or no longer exists, contact previously notified personnel listed in the Emergency Response Directory.

5.2.3 The Assistant to the Duty Call Supervisor or designee should perform the following:

1. If the emergency has occurred during normal business hours, no action is required unless requested by the Emergency Coordinator or designee or the TSC Supervisor.

2. If the emergency has occurred during off normal business hours, perform the following steps:

   a. Contact to the appropriate number of responders for all positions listed in the Emergency Response Directory, Assistant to the Duty Call Supervisor Call List should be made by completing the following steps:

      (1) Call the home number of the first responder.

      (2) If the responder answers, relay a message similar to the following:

         (a) **This <u>is/is not</u> a drill, a/an (<u>state emergency classification</u>) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (<u>state position</u>) and make your required notifications as listed in the Emergency Response Directory or Call Out Card, then report to your designated facility. This <u>is/is not</u> a drill.**

5.2.3.2.a (Cont'd)

(3) If no answer, go to the next responder.

(a) Call the home number of the next responder.

(4) Repeat the preceding Substeps 5.2.3.2.a(2) and 5.2.3.2.a(3) until all positions are filled or all home numbers have been attempted.

(5) If the position has not been filled by using home phone number, call the beeper of each responder.

(a) When one responder for that position calls back, relay a message similar to the preceding message.

(b) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.

(6) Go to the next call out position.

(a) Repeat the preceding Substeps 5.2.3.2.a.(1) through 5.2.3.2.a.(6) until all positions listed in the Assistant to the Duty Call Supervisor Call List have been filled.

3. Ensure that the TSC Supervisor, (DCS) are informed of any positions that could not be filled.

5.2.4 The On-Shift Security Captain should perform the following:

1. Send 1 Security Officer to the Technical Support Center with the TSC Key.

   a. Instruct the Officer to perform his duties as outlined in SFI 6307.

2. Send 1 Security Officer to the Operations Support Center with a set of keys for all vital areas and access gates.

   a. Instruct the Officer to perform his duties as outlined in SFI 6307.

3. Contact GO Security Operations and inform them of the following:

   a. EOF will be activated.

   b. Ensure doors are unlocked to the EOF and ENC.

   c. Post a guard at the EOF entrance.

   d. Access is granted to individuals presenting a valid PTN, NRC, State or County ID.

5.2.5 All emergency responders should perform the following:

1. If an Emergency Classification of Alert or higher is declared or if the Emergency Coordinator uses discretion for activation, all emergency responders shall immediately report to their designated Emergency Response Facility (ERF).

   a. Upon arrival at the ERF, responders should perform their duties as outlined in the appropriate procedures:

      (1) 0-EPIP-1102, Duties of the Recovery Manager

      (2) 0-EPIP-1211, Duties of the Corporate Communication Emergency Response Organization for Turkey Point

      (3) 0-EPIP-1212, Emergency Operations Facility (EOF) Activation and Operation

      (4) 0-EPIP-20101, Duties of the Emergency Coordinator

      (5) 0-EPIP-20132, Technical Support Center (TSC) Activation and Operation

      (6) 0-EPIP-20133, Operations Support Center (OSC) Activation and Operation

NOTE

No phone calls are required if contacted by the autodialer system.

2. If the Emergency has occurred during off normal business hours, the following steps should be performed:

   a. Upon receiving notification to activate the ERFs and if you are responsible for further notifications, contact the appropriate number of responders for each position listed in the appropriate ERD call list in the Emergency Response Directory or callout card.

      (1) Call the home number of the first responder.

5.2.5.2.a (Cont'd)

NOTE

Responders are responsible for informing callers of their fitness for duty. Refer to 0-ADM-018, Fitness for Duty: Call-out of Personnel, For Cause Testing, and Reportability, for required FFD Activities if another qualified responder is not available.

(2) If the responder answers, relay a message similar to the following:

(a) **This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.**

(3) If no answer, go to the next responder.

(a) Call the home number of the next responder.

(4) Repeat the preceding Substeps 5.2.5.2.a.(2) and 5.2.5.2.a.(3) until the appropriate number of responders for each position has been notified or all home numbers have been attempted.

b. If the position has not been filled by using home phone number, call the beeper of each unfilled responder.

(1) When responders for that position call back, relay a message similar to the following message:

(a) **This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.**

(2) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.

5.2.5 (Cont'd)

3. After each position has been filled or if all numbers have been tried and the position is not filled, report to the designated ERF.

   a. If a position could not be filled, re-attempt to fill the position after arrival at the designated ERF.

4. If a position could not be filled, ensure that the appropriate supervisor (TSC Supervisor in the TSC, OSC Manager in the OSC or Recovery Manager in the EOF) is notified of the unfilled position.

5.3 Emergency Response Directory (ERD)

5.3.1 The Emergency Preparedness Coordinator shall ensure the ERD is updated at least once per calendar quarter.

5.3.2 All emergency responders should notify the Emergency Preparedness Coordinator or designee when changes to their phone numbers or other pertinent information listed in the ERD has occurred.

5.3.3 All emergency responders who have notification requirements should maintain a copy of pertinent sections of the Emergency Response Directory or their call out card at their disposal during off normal business hours.

5.3.4 Supervisors responsible for the filling of ERO positions should notify the Emergency Preparedness Coordinator or designee when emergency response personnel changes are necessary.

END OF TEXT

ATTACHMENT 1
(Page 1 of 1)
FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An Emergency
   On Line Notification ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY
2. A. Date: ___/___/___ B. Contact Time: _____ C. Reported By: Name _____
   D. Message Number: _____ E. Reported From: ☐ Control Room ☐ TSC ☐ EOF
3. SITE: A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 4
4. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ Alert
   C. ☐ Site Area Emergency D. ☐ General Emergency
5. A. ☐ EMERGENCY DECLARATION: B. ☐ EMERGENCY TERMINATION: Date: ___/___/___ Time: _____
6. REASON FOR EMERGENCY DECLARATION: A. ☐ EAL Number: _____ OR B. ☐ Description: _____
7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ _____
8. WEATHER DATA: A. Wind direction from _____ degrees B. Downwind Sectors affected _____, _____, _____
9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped
10. RELEASE SIGNIFICANCE CATEGORY: (at the Site Boundary)
    A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)
    C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)
11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:
    A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES: _____ OR	Miles	No Action	Evacuate Sectors	Shelter Sectors
SHELTER ZONES: _____	0-2	_____	_____	_____
	2-5	_____	_____	_____
C. Consider Issuance of KI: ☐ YES ☐ NO	5-10	_____	_____	_____

If form is completed in the Control Room, go to item 15. If completed in the TSC or EOF, continue with item 12.

12. PLANT CONDITIONS:
    A. Reactor Shutdown? ☐ YES ☐ NO B. Core Adequately Cooled? ☐ YES ☐ NO
    C. Containment Intact? ☐ YES ☐ NO D. Core Condition: ☐ Stable ☐ Degrading
13. WEATHER DATA: A. Wind Speed_____ mph B. Stability Class_____
14. ADDITIONAL RELEASE INFORMATION:
    A. Noble Gases_____ Curies per second B. Iodines_____ Curies per second
    C. Airborne: Date Started ___/___/___ Time Started_____ Date Stopped ___/___/___ Time Stopped_____
    D. Liquid: Date Started ___/___/___ Time Started_____ Date Stopped ___/___/___ Time Stopped _____

Distance	Projected Thyroid Dose (CDE) for 1 Hour	Projected Total Dose (TEDE) for 1 Hour
1 Mile (Site Boundary)	E._____mrem	F._____mrem
2 Miles	G._____mrem	H._____mrem
5 Miles	I._____mrem	J._____mrem
10 Miles	K._____mrem	L._____mrem

EC or RM Approval Signature_____ Date___/___/___ Time _____

15. MESSAGE RECEIVED BY: Name _____ Date ___/___/___ Time _____

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W97:WDJ/dt/ev/ev

ATTACHMENT 2
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FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST

Name:_____ Unit:_____

Date:___/____/____ Time:_____

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.
D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those off-site ERO members that would be responding to a security event to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

1. Prior to making the call, determine the appropriate scenario to activate.

Normal Working hours use scenario 1030
After hours: • Use scenario **1050 for an actual emergency** • Use scenario **1051 for a response drill** (report to ERFs) • Use scenario **1052 for a telephone test only**

2. You will be requested to enter the four digit scenario number during the call.

Scenario to be used:_____

3. Call the Emergency Recall System at **305-246-7107.**

4. Enter the password as soon as you are instructed to do so.

WHEN THE SYSTEM STATES	YOU SHOULD ENTER... Circle One
This is remote activation module. Enter your scenario activation password followed by the # symbol.	**Your password**
Enter the scenario id followed by the # sign?	**Normal Working hours use scenario 1030** After hours use scenario: • **1050 for an actual emergency** • **1051 for a response drill** (report to ERFs) • **1052 for a telephone test only**

ATTACHMENT 2
(Page 2 of 2)

FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST

WHEN THE SYSTEM STATES (cont.)	YOU SHOULD ENTER (cont.) Circle One
Then it will use a repeat back where you will be asked to press 9 for yes or 6 for no.	**9** - to confirm the scenario **6** - to cancel
• To listen to the current scenario message press 1, • To re-record the message press 2, • To start the scenario press 3.	Enter 3 to start the scenario unless you have been instructed to custom build a message.- Note: This is an optional message. If you choose to use it, you should make a single statement regarding the status of the emergency. Example: **Alert based on greater than 50 gallon per minute Reactor Coolant System leak.** If a significant radiological release could affect site access, a message should be recorded similar to: **Enter the plant from the (north/south).**
The scenario is running now	

5. Activation is performed during off normal working hours, initiate the manual call-out process in accordance with this procedure.

6. To verify that the system has activated, use one of the following:

– Open the **Communicator!** Program. Click on **Activate**, select **Activation Status Monitor**, or

– Report received on the printer in the Control Room, TSC, EOF, or

– Report of appropriate pager activation from FPL pager.

7. **IF** verification is not received within **5 to 10** minutes, continue the manual call-out in accordance with this procedure.

ATTACHMENT 3
(Page 1 of 1)

LOTUS NOTES PAGING INSTRUCTIONS FOR EMERGENCIES AND SECURITY EVENTS

1. Obtain the Emergency Response Organization (ERO) four digit group page code for simultaneous contact of the entire PTN ERO (refer to the DCS notebook)
2. Log on to Lotus Notes
3. Log into your mail
4. Click on **new Memo**
5. In the **TO** section type (four digit group pager code obtained in step 1 above) **@TELPAGE@FPLAIM**
6. In the **Subject** section type your message
   A. Examples of **Plant Emergency** pager messages:
      - ALERT EMERGENCY PTN Site Responders to facility now 911
      - SITE AREA EMERGENCY PTN Site Responders to facility now 911
      - GENERAL EMERGENCY PTN Site responders to facility now 911

   B. Examples of **Security Events** pager messages:
      - PTN ERO: Security Event in progress. All ERO members currently off-site report to the EOF now 911
7. Click on **Send**
8. Verify pagers have activated.

FINAL PAGE