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EMERGENCY PLAN IMPLEMENTING PROCEDURE

EM-205

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

**EMERGENCY ASSEMBLY, EVACUATION, AND ACCOUNTABILITY
OF PERSONNEL WITHIN THE PROTECTED AREA**

APPROVED BY: Procedure Owner


(SIGNATURE ON FILE)

DATE: 9/21/00

PROCEDURE OWNER: Radiological Emergency Planning

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1.0 PURPOSE

Provides instructions for the assembly, accountability, and evacuation of personnel within the CR-3 Protected Area. Provides administrative control of personnel during a radiological emergency and maintains personnel radiation exposure ALARA. Provides personnel actions during a Security Emergency.

2.0 REFERENCES

2.1 DEVELOPMENTAL REFERENCES

- 2.1.1 10 CFR 50.47, Emergency Plan
- 2.1.2 10 CFR 50, Appendix E, Emergency Planning and Preparedness for Production and Utilization Facilities
- 2.1.3 EM-211, Duties of the CR-3 Nuclear Security Organization
- 2.1.4 NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 2.1.5 Radiological Emergency Response Plan

3.0 PERSONNEL INDOCTRINATION

NOTE: A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.1 DEFINITIONS

- 3.1.1 **Accountability** - the process of identifying personnel remaining inside the Protected Area and ascertaining the names of missing individuals following an evacuation or as deemed necessary by the Emergency Coordinator.
- 3.1.2 **Alert** – This classification refers to event(s) that are in process, or have occurred, involving an actual or potentially substantial degradation of the level of safety of the plant. The TSC/OSC are staffed and assembly and accountability are performed at Local Assembly Areas.

- 3.1.3 **General Emergency** – This classification refers to event(s) that are in process, or have occurred, involving actual or imminent substantial core degradation or nuclear fuel melting with potential for loss of containment integrity. Personnel evacuate Protected Area and follow instructions given by Public Address announcement and Security.
- 3.1.4 **Local Assembly Area** - pre-designated areas personnel report to for personnel organization, roll call, and supervision following an "Alert" emergency classification, or as deemed necessary by the Emergency Coordinator (EC).
- 3.1.5 **Local Assembly Area Supervisor** - the supervisor or designee assuming leadership responsibility in Local Assembly Areas. This individual should not be someone who will be responding to an Emergency Response Facility.
- 3.1.6 **Main Assembly Area (MAA)** - The Site Administration Building Auditorium. The location where personnel report for organization and supervision following an evacuation of the CR-3 protected area. [NOCS 7455]
- 3.1.7 **Main Assembly Area Supervisor** - the Security representative assuming leadership responsibility in the Main Assembly Area.
- 3.1.8 **Missing Individual** – An unaccounted for person, remaining in the Protected Area after an evacuation or when the EC requests accountability, and is not in or dispatched from the Control Room, Technical Support Center (TSC)/Operations Support Center (OSC), or Nuclear Security Operations Center.
- 3.1.9 **Non Essential Personnel** - personnel not required for the safe operation of the plant, not assigned emergency functions in the Control Room or TSC/OSC and not on-duty Security personnel.
- 3.1.10 **Protected Area** - Area encompassed by physical barriers (fence) and detection devices. The area evacuated in a Site Area Emergency.
- 3.1.11 **Radiation Controlled Area (RCA)** - Any posted Radioactive Material Area and/or any area where an individual could receive 2 mRem in one hour, or 500 mRem in a year TEDE.
- 3.1.12 **Security Emergency** - An actual or attempted sabotage or entry into the Protected Area by an intruder or terrorist attack. Physical or deadly force may be necessary to protect plant personnel or vital plant equipment.
- 3.1.13 **Site Area Emergency** - This classification refers to event(s) that are in process or have occurred, involving actual or likely major failures of plant functions needed to protect the public. The TSC/OSC and EOF are staffed. Personnel evacuate to Main Assembly Area.
- 3.1.14 **Site Evacuation** - Evacuation of non-essential personnel from the Protected Area.

3.1.15 **Unusual Event** – This classification refers to any event(s), in process or having occurred, indicating a potential degradation of the level of plant safety. This classification brings the operating staff to a state of readiness if escalation to a more severe action level classification occurs.

3.2 **RESPONSIBILITIES**

3.2.1 The Emergency Coordinator (EC) initiates personnel assembly, accountability, or evacuation as a result of an emergency at CR-3.

3.2.2 Each Department Supervisor/Manager or designee (Local Assembly Area Supervisor) inside the Protected Area is responsible for ensuring accountability of department personnel during an “Alert”, and as requested by the EC.

3.2.3 The Local Assembly Area Supervisor establishes control and organization of personnel assembled and ensures evacuation of such personnel during a Site Area Emergency, as directed by the EC.

3.2.4 The Main Assembly Area Supervisor establishes control and organization of the personnel assembled in the Main Assembly Area.

3.2.5 The Senior Security Representative directs ingress and egress to the Protected Area, maintains records documenting Site Evacuation during an emergency at CR-3 and supports the Emergency Coordinator in performing accountability.

3.2.6 The Corporate Security Specialist implements evacuation of the Energy Complex when directed by the Emergency Coordinator.

3.2.7 Individuals entering the CR-3 Protected Area (excluding visitors) are responsible for maintaining familiarity with the information contained in this procedure, following radiological practices, and minimizing the probability of injury or exposure to radiation.

3.2.8 Individuals whose normal work station is outside the Protected Area, must exit the Protected Area when an “Alert” is declared.

3.2.9 Individuals assigned to the Rusty, Plant Administration and Nuclear Administration Buildings, are to report to their office area and ensure department designee (Local Assembly Area Supervisor) is aware of their location during an Alert or as requested by the EC.

3.3

LIMITS AND PRECAUTIONS

- 3.3.1 When instructed, personnel are to report immediately to their assigned locations (Local Assembly Area, Main Assembly Area, Control Room, TSC/OSC) to ensure timely accountability.
- 3.3.2 Personnel performing duties essential for the safe operation of the plant, on-duty Security personnel and personnel assigned emergency functions in the Control Room, TSC/OSC are not required to assemble or evacuate unless otherwise instructed by the EC.
- 3.3.3 Personnel are to secure potentially hazardous equipment or operations prior to following instructions for evacuating an area.
- 3.3.4 Protected Area accountability must be completed within 30 minutes of sounding the Site Evacuation Alarm following the declaration of a Site Area Emergency or General Emergency.
- 3.3.5 IF the EC requests accountability prior to a Site Evacuation, THEN accountability must be completed within 30 minutes.
- 3.3.6 Upon entry and exit to TSC/OSC during emergency conditions, ensure card readers are used for accurate accountability throughout the emergency.
- 3.3.7 After declaration of a Security Emergency, all personnel are subject to challenge by the Nuclear Security Force and must follow all directions issued.

4.0 INSTRUCTIONS

4.1 LOCALIZED EVACUATION OF PERSONNEL

NOTE: Notification to evacuate a specific work area is by Reactor Building or Auxiliary Building Evacuation alarm and/or Public Address (PA) Announcement when emergency conditions create localized radiological hazards.

4.1.1 IF notified to evacuate the Radiation Controlled Area, THEN FOLLOW normal monitoring practices, AND EXIT evacuated area.

4.1.2 REPORT to respective shop to ensure accountability of everyone working in the evacuated area.

4.1.3 REPORT names of unaccounted for personnel during an RCA evacuation to the Health Physics Supervisor at extension 3150.

4.1.4 EXCLUDE non-essential personnel from the evacuated area until Health Physics determines re-entry is permissible.

4.1.5 MAINTAIN control of visitor(s).

4.2 ALERT CLASSIFICATION: LOCAL ASSEMBLY OF NON-ESSENTIAL PERSONNEL

NOTE 1: Notification for non-essential personnel to go to their "Local Assembly Area" is made by PA announcement. Assembly assists communication, accountability, and supervision following an "Alert" classification.

NOTE 2: Signs are posted at the Nuclear Security Operation Center, Rusty Building, and Turbine Building listing the Local Assembly Areas. A sign is posted at the exit to the Protected Area designating Main Assembly Area location.

4.2.1 REPORT to Local Assembly Area when directed by Public Address announcement. (REFER TO Enclosure 1 for Local Assembly Area assignments.)

4.2.2 ESCORT all visitors to the Nuclear Security Operations Center.

4.2.3 WHEN visitors have exited the Protected Area,
THEN REPORT to Local Assembly Area.

4.2.4 IF normal work station is outside the Protected Area,
THEN EXIT the Protected Area when an ALERT is declared.

4.2.5 Contract personnel REPORT to the Site Administration Building Auditorium,
unless directed otherwise by their work supervisor.

4.2.6 REMAIN in Local Assembly Areas until instructed to return to work or evacuate
to the designated Main Assembly Area.

**NOTE: Local Assembly Area Supervisors are expected to be aware of
department personnel who are members of the Emergency
Response Organization and not identify them as unaccounted for
personnel.**

4.2.7 Local Assembly Area Supervisor PERFORM the following:

- IDENTIFY department individuals not accounted for during the local assembly
- NOTIFY the TSC (Security) at ext. 3258 if the individual's location is not
determined in approximately 20 minutes.
- ACT as the point of contact for further instructions to assembled personnel.
- ENSURE department personnel remain in Local Assembly Area until further
notice.
- ENSURE department personnel evacuate at a Site Area Emergency, and report
to the MAA as directed.

4.3

SITE AREA EMERGENCY OR GENERAL EMERGENCY
CLASSIFICATION: EVACUATION OF NON-ESSENTIAL PERSONNEL
FROM THE CR-3 PROTECTED AREA [NOCS 7455]

NOTE 1: Security conducts Protected Area accountability to establish the names of missing individuals in the Protected Area within 30 minutes of sounding the Site Area Evacuation alarm following the declaration of a Site Area Emergency or General Emergency.

NOTE 2: If accountability is in progress during a site evacuation even minor delays in evacuating could prevent completion within the required 30 minutes.

NOTE 3: Notification to evacuate the CR-3 Protected Area is by Site Evacuation Alarm and/or PA announcement.

4.3.1 **IF notified to evacuate the CR-3 Protected Area, THEN all non-essential personnel must immediately evacuate the CR-3 Protected Area.**

4.3.2 **IF evacuation of the Protected Area is initiated before personnel are instructed to gather in Local Assembly Areas, THEN personnel do NOT report to the Local Assembly Areas before exiting the Protected Area.**

4.3.3 **Dedicated Fire Brigade members on shift during an evacuation of the Protected Area REPORT with gear to the area outside the Control Room.**

4.3.4 **All non-essential personnel EXIT the Protected Area through the Nuclear Security Operation Center, unless otherwise directed.**

4.3.5 **PROCEED immediately and safely to the Main Assembly Area (Site Administration Building Auditorium), unless otherwise directed.**

4.3.6 **REMAIN in the Main Assembly Area until instructed to return to work or to evacuate the Energy Complex.**

NOTE: The Main Assembly Area Supervisor has a radio and a designated Main Assembly Area Supervisor hardhat.

4.3.7 The Security Shift Supervisor provides an individual to assume the position of Main Assembly Area Supervisor. The Main Assembly Area Supervisor must:

- ASSUME leadership responsibility for personnel assembled in the Main Assembly Area.
- DIRECT assembled personnel to various locations within the Site Administration Building
- ENSURE qualified Fire Brigade personnel assemble in First Floor Conference Room.
- USE the Site Administration Building local Public Address (accessed by dialing 1-1) to keep evacuated personnel informed.
- IMPLEMENT instructions from the Emergency Coordinator
- RELAY information to personnel assembled concerning evacuation location, Energy Complex evacuation, return to work instructions, and plant conditions, as directed by the TSC and Corporate Security.
- ENSURE evacuated personnel remain inside the Site Administration Building, unless otherwise directed.
- LISTEN to radio communication on Channel 5 unless otherwise directed by the TSC.

4.4 **EVACUATION OF NON-ESSENTIAL PERSONNEL FROM THE ENERGY COMPLEX**

4.4.1 **WHEN** instructed by Emergency Coordinator and Security, **THEN** evacuate the Energy Complex.

4.4.2 COORDINATE evacuation with the Corporate Security Specialist which may include:

- Instructions describing the methods and routes for evacuation.
- Evacuation by private vehicle using two lanes on the main plant access road.
- Coordination if an alternate plan is implemented.

4.5

INSTRUCTIONS FOR PLANT PERSONNEL DURING A SECURITY EMERGENCY

CAUTION: The following instructions enhance personnel safety during a Security Emergency (Protected Area intruder, terrorist attack) where physical or deadly force may be necessary to protect plant personnel or vital plant equipment.

- 4.5.1 Control Room personnel ANNOUNCE a Security Emergency, if appropriate.
- 4.5.2 Personnel in the Control Room, REMAIN in the Control Room and WAIT for instructions from the Nuclear Shift Manager.
- 4.5.3 Personnel not in the Control Room, upon announcement of a Security Emergency, PERFORM the following actions:
 - o SECURE potentially hazardous equipment and suspended loads as safe as possible prior to taking cover.
 - o TAKE stable, suitable cover immediately.
 - o STAY low to the ground.
 - o REMAIN in this position until an "ALL CLEAR" announcement has been made that it is safe to relocate.
- 4.5.4 IF the security emergency continues,
AND an Alert, Site Area, or General Emergency is declared,
THEN emergency personnel DO NOT staff the TSC/OSC or EOF, unless otherwise instructed.
- 4.5.5 Non-essential personnel DO NOT proceed to their Local Assembly Areas, unless otherwise instructed.
- 4.5.6 WHEN an announcement is made the Security emergency is under control, THEN proceed to Local Assembly Areas for further instructions.

LOCAL ASSEMBLY AREA ASSIGNMENTS
[NOCS 7455, 24880]

PERSONNEL	ASSEMBLY AREA
Chemistry & Radiation Protection	Health Physics Office Area
Contractors	Site Administration Auditorium
Facility Services	Ready Warehouse Break Area
Crew 1/Maintenance Electrical	Crew 1/Electric Shop
Crew 2/Maintenance Mechanical	Crew 2/Mechanic Shop
Crew 3/Maintenance I&C	Crew 3/I&C Shop
Maintenance Support	Ready Warehouse Break Area
Nuclear Administration Building	Nuclear Administration Building
Operations (Off-Shift)	Area Outside Control Room
Operations (On-Shift)	Control Room
Plant Administration Building	Plant Administration Building
Maintenance Gator Team	Gator Shop
Rusty Building	Rusty Building
Security (Off-Duty)	Security Operations Center
Security (On-Duty)	Assigned Posts & Patrols
Selected Emergency Team Members	TSC/OSC
Technical Support Center Staff	TSC/OSC

PROCEDURE DEVELOPMENT AND REVISION RECORD

Procedure: EM0205

New Rev: 25

PRR#: 19273

Title: EMERGENCY ASSEMBLY, EVACUATION AND ACCOUNTABILITY OF PERSONNEL WITHIN THE PROTECTED AREA

MINOR CHANGES

If Minor Changes are included, check the applicable box(es) and provide a list of affected steps.
The following corrections are incorporated throughout:

- | | |
|--|---|
| <input type="checkbox"/> Sentence Structure | <input type="checkbox"/> Redundant words or phrases |
| <input type="checkbox"/> Punctuation | <input type="checkbox"/> Abbreviations |
| <input checked="" type="checkbox"/> Capitalization | <input type="checkbox"/> Obviously incorrect units of measure |
| <input type="checkbox"/> Spelling | <input type="checkbox"/> Inadvertently omitted symbols (#, %, etc.) |
| <input type="checkbox"/> Organizational Changes: position titles, department names, or telephone numbers | <input type="checkbox"/> Obvious step numbering discrepancies |
| | <input checked="" type="checkbox"/> Format |

The following corrections are incorporated in the step(s) indicated: "Throughout" is used in lieu of Step# if a specific change affects a large number of steps.

Correcting equipment nomenclature that does not agree with field labels or balance of procedure

Changing information that is obviously incorrect and referenced correctly elsewhere

Misplaced decimals that are neither setpoint values nor tolerances

Reference to a procedure when an approved procedure has taken the place of another procedure

Fixing branching points when it is clear the branching steps were originally intended but were overlooked or incorrectly stated due to step number changes

Adding clarifying information such as NOTES and CAUTIONS

Adding words to clarify steps, NOTES, or CAUTIONS which clearly do not change the methodology or intent of the steps

PROCEDURE DEVELOPMENT AND REVISION RECORD

Procedure: EM0205

New Rev: 25

PRR#: 19273

Title: EMERGENCY ASSEMBLY, EVACUATION AND ACCOUNTABILITY OF PERSONNEL WITHIN THE PROTECTED AREA

NON-INTENT CHANGES

Changes are incorporated for the reasons provided. "Throughout" is used in lieu of Step # if a specific change affects a large number of steps. For new or cancelled procedures the reason is provided.

2.0 Replaced several EM procedures under developmental references with 10CFR50 appendix E, 10CFR50.47, NUREG 0654 and the RERP as developmental references per Writer's Guide.

3.1.2; 3.1.3, 3.1.13, 3.1.15 Definitions were revised for classifications of Alert, General Emergency, Site Area Emergency and Unusual Event per Writer's Guide to match other similar definitions in procedures

3.1.4 Added to Local Assembly Area definition - "or as deemed necessary by the Emergency Coordinator" This allows EC to have individuals respond to local assembly without being in an Alert. PC00-2121.

3.1.8 Clarified a Missing Individual was an unaccounted for person remaining in the Protected Area after an evacuation or when the EC requested accountability. PC00-2121.

3.2.2 Split section into two statements 3.2.2 and 3.2.9 per writers guide. Added clarification that Local Assembly Area Supervisors are responsible for accountability during an Alert and as requested by the EC. PC00-2121.

3.3.6 Deleted step that said precautionary Protected Area evacuation at an Unusual Event or Alert classification are not subject to the 30 minute time limit. Added step 3.3.5 to state If the EC requests accountability prior to a Site Evacuation, then accountability must be completed within 30 minutes. PC00-2120.

4.2.7 Clarified Local Assembly Area Supervisor notifies TSC Security in approximately 20 minutes if individuals are unaccounted for during Local Assembly. Deleted in a timely manner. Added responsibility to ensure personnel remain in Local Assembly Area until further notice. Change made due to Lessons Learned from Indian Point 2.

4.5.4

Clarify during a security emergency emergency personnel do not staff the TSC/OSC unless otherwise instructed. Clarification from Simulator sessions.

Enclosure 1

Revise Local assembly areas to change Crew 1-3 to Electricians, I/C Technicians and Mechanics. Change Ready Warehouse to Gator Team due to changes made for maintenance crews.

3.2.9

Moved second statement in 3.2.2 to 3.2.9 to clarify individuals located in administrative buildings are to report to their office area for local assembly.

Throughout

Deleted NOCS item numbers that designated the RERP as a source document. Only "commitment" NOCS items are now being referenced in the procedure. Requirements, such as the RERP, are being tracked by Emergency Planning. These items will remain active in the NOCS database.
Changed "Generating Complex" to "Energy Complex" to be consistent with other signs and procedures.
Made several Writer Guide changes.

3.2.3

Add for clarification - as directed by the EC.

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4.2.2
4.2.4, 4.2.5

Divided 4.2.2 into two steps, 4.2.2. and 4.2.3. Renumbered accordingly.
Deleted step 4.2.5 - same information in step 4.2.1

4.2.5
