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Engineering managers are required by NEP-121 to determine if new, revised, or temporary changes to procedures affect job functions of their personnel. Managers will communicate change information appropriately and provide documentation of any training conducted to the Engineering Training Coordinator.

NO ACKNOWLEDGEMENT REQUIRED

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A045

FLORIDA POWER
CRYSTAL RIVER UNIT 3
PLANT OPERATING MANUAL

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EM-205

**PERSONNEL EMERGENCY RESPONSIBILITIES REGARDING
DISCOVERY, ASSEMBLY, EVACUATION, AND ACCOUNTABILITY
WITHIN THE PROTECTED AREA**

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*Non-Quality Record

1.0 PURPOSE

Provides instructions for CR-3 personnel within the Protected Area on actions to take for:

- discovering an emergency
- local assembly
- accountability and evacuation of the CR-3 Protected Area
- actions during a security emergency.

2.0 REFERENCES

2.1 Developmental References

2.1.1 10 CFR 50.47, Emergency Plans

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.
- 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 (NSOC).
- 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 **Non-Medical Emergency** – An incident or condition requiring immediate attention, which could result in damage to plant components and may be accompanied by high radiation or radioactive contamination. Examples include: fire, explosion, steam line break, hazardous material spill, etc. (Refer to EM-213 for medical emergency actions)
- 3.1.11 **Protected Area** - Area encompassed by physical barriers (fence) and detection devices. The area evacuated in a Site Area Emergency.
- 3.1.12 **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.
- 3.1.13 **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.
- 3.1.14 **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.
- 3.1.15 **Site Evacuation** - Evacuation of non-essential personnel from the Protected Area.
- 3.1.16 **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 initiates personnel assembly, accountability, or evacuation as a result of an emergency at CR-3.
- 3.2.2 Each Supervisor/Manager or designee (Local Assembly Area Supervisor) inside the Protected Area is responsible for ensuring accountability of Section/Unit 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 workstation 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 Local Assembly Area Supervisor designee is aware of their location during an Alert or as requested by the Emergency Coordinator.

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 before a Site Evacuation, THEN accountability must be completed within 30 minutes.
- 3.3.6 After declaration of a Security Emergency, all personnel are subject to challenge by the Nuclear Security Force and must follow all directions issued.
- 3.3.7 An emergency phone system is used to report emergencies. This system enables an individual to report an emergency by dialing 3-1-1 on the Public Address System (PAX) or conventional intra-plant phones on site. This activates a dedicated emergency telephone in the Control Room that is used only for emergencies.

4.0 **INSTRUCTIONS**

4.1 **Individuals Discovering an Emergency**

- 4.1.1 NOTIFY the Control Room by dialing 3-1-1 on PAX or any conventional intra-plant telephone or radio and PROVIDE information requested. [NOCS 4750, 4751]
- 4.1.2 EVALUATE hazards of the emergency area.
- 4.1.3 TAKE immediate actions qualified to perform, such as using fire extinguisher.
- 4.1.4 WITHDRAW to a safe area and NOTIFY personnel in the area.
- 4.1.5 CONTINUE to follow instructions of person in charge at the emergency scene.

4.2 **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.

- 4.2.1 IF notified to evacuate the Radiation Controlled Area, THEN CONTINUE normal monitoring practices, AND EXIT evacuated area.
- 4.2.2 REPORT to respective shop to ensure accountability of everyone working in the evacuated area.

- 4.2.3 REPORT names of missing personnel during an RCA evacuation to the Supervisor Health Physics at extension 3150.
- 4.2.4 ELIMINATE non-essential personnel from the evacuated area until Health Physics determines re-entry is permissible.
- 4.2.5 MAINTAIN control of visitor(s).
- 4.3 **Alert classification: Local Assembly of Non-essential Personnel**

NOTE

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

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.

- 4.3.1 REPORT to Local Assembly Area when directed by Public Address announcement. (REFER TO Enclosure 1 for Local Assembly Area assignments.)
- 4.3.2 ESCORT visitors to the Nuclear Security Operations Center.
- 4.3.3 WHEN visitors have exited the Protected Area, THEN REPORT to Local Assembly Area.
- 4.3.4 IF normal workstation is outside the Protected Area, THEN EXIT the Protected Area when an Alert is declared.
- 4.3.5 Contract personnel REPORT to the Site Administration Building Auditorium, unless directed otherwise by their work supervisor.
- 4.3.6 CONTINUE to stay 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 Section/Unit personnel who are members of the Emergency Response Organization and not identify them as missing personnel.

4.3.7 Local Assembly Area Supervisor **PERFORM** the following:

- **IDENTIFY** individuals missing during the local assembly.
- **NOTIFY** Security at the TSC at extension 3258 if the individual's location is not determined in approximately 20 minutes.
- **PERFORM** as the point of contact for further instructions to assembled personnel.
- **MAINTAIN** accountability of Local Assembly Area personnel until further notice.
- **ENSURE** personnel evacuate at a Site Area Emergency (SAE), and **REPORT** to the Main Assembly Area (MAA) as directed. SAE accountability is performed by badge when exiting the Protected Area – there is no need to report accountability to the MAA Supervisor unless specifically requested.

4.4

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 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.

- 4.4.1. IF notified to evacuate the CR-3 Protected Area, THEN all non-essential personnel must immediately evacuate the Protected Area.
- 4.4.2. 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.
- 4.4.3. Dedicated Fire Brigade members on shift during an evacuation of the Protected Area REPORT with gear to the area outside the Control Room.
- 4.4.4. Non-essential personnel EXIT the Protected Area through the Nuclear Security Operation Center, unless otherwise directed.
- 4.4.5. PERFORM the following unless otherwise directed:
 - 1. Site Area Emergency - PROCEED immediately and safely to the Main Assembly Area (Site Administration Building Auditorium), unless otherwise directed. CONTINUE to stay in the Main Assembly Area until instructed to return to work or to evacuate the Energy Complex.
 - 2. General Emergency – EVACUATE the Energy Complex.

NOTE

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

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

- TAKE 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.
- CONTINUE to NOTIFY 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.

4.5 **Evacuation of Non-Essential Personnel from the Energy Complex**

4.5.1 WHEN instructed by Emergency Coordinator and Security,
THEN EVACUATE the Energy Complex.

4.5.2 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.

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 equipment. Security may initiate a PA announcement directed towards the intruders.

4.6.1 IF Security announces a Security Emergency,
THEN TAKE the following actions:

1. Personnel in the Control Room, CONTINUE to stay in the Control Room and WAIT for instructions from the Superintendent Shift Operations.
2. Personnel not in the Control Room, PERFORM the following actions:
 - SECURE potentially hazardous equipment and suspended loads as safe as possible prior to taking cover.
 - TAKE stable, suitable cover immediately.
 - MOVE low to the ground.
 - CONTINUE to stay in this position until an "ALL CLEAR" announcement has been made that it is safe to relocate.

4.6.2 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.

4.6.3 Non-essential personnel do NOT proceed to their Local Assembly Areas, unless otherwise instructed.

4.6.4 WHEN an announcement is made that 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
Maintenance Electrical	Electric Shop
Maintenance Mechanical	Mechanic Shop
Maintenance I&C	I&C Shop
Maintenance Gator Team	Gator 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
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: 26

PRR#: 20445

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 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 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.

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: 26

PRR#: 20445

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.

Throughout	Reformatted to new writer's guide. Changed "Department" to "Section or Unit" as appropriate. Changed "Unaccounted for" personnel to "Missing" personnel for clarification.
Title Page and Purpose	Changed title and Purpose to reflect actions of Individual Discovering an Emergency. Currently these actions are located in EM-201, which will be cancelled in the near future.
3.1.10	Incorporated definition of Non-Medical Emergency from EM-201 and renumbered accordingly.
3.3.7	Added information concerning using PAX and internal phones to call 3-1-1 for emergency. Deleted step to ensure TSC card readers are used during emergency. This information is provided in other procedures for those assigned to the TSC.
4.1	Added new Section 4.1 as instructions for individuals discovering an emergency. This will replace what is in EM-201, which will be cancelled in the near future. Renumbered remainder of sections accordingly.
4.3.7	Revised Local Assembly Area instructions to maintain accountability of personnel instead of stating to ensure personnel remain in LAA. This allows work to continue, as long as the Supervisor is aware where they are. NUPOST 80378) Also clarified it was unnecessary to report accountability to MAA Supervisor upon evacuation of the Protected Area as accountability is performed by badging out of the PA.
4.4.5	Revised to address both SAE and GE classification. If the plant were to go directly into a General Emergency, personnel would be directed to evacuate the Site versus going to the Main Assembly Area. (NUPOST 79257)
4.6	CAUTION: added sentence that Security may initiate an announcement directed towards intruders. Clarified what actions should be taken if Security announced a Security Emergency. Changed this from the Control Room making the Security announcement.
Enclosure 1	Deleted "Crew" designations, leaving specific Maintenance Shops.