



**Florida
Power**

CORPORATION
Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72

July 17, 2000
3F0700-15

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: 2000 Annual Radiological Emergency Response Plan Exercise

Dear Sir:

Florida Power Corporation hereby submits the scope and objectives for the 2000 Annual Radiological Emergency Response Plan Exercise at the Crystal River Unit 3 nuclear station. The exercise is scheduled for October 18, 2000.

If you have any questions, please contact Mr. John D. Stephenson, Manager, Radiological Emergency Planning at (352) 563-4522.

Sincerely,

Sherry L. Bernhoft
Director, Nuclear Regulatory Affairs

SLB/ff

Attachment

xc: Regional Administrator, Region II (2)
Senior Resident Inspector
NRR Project Manager
Chief, Emergency Preparedness and Radiation Protection Branch

A045

2000 ANNUAL RADIOLOGICAL EMERGENCY RESPONSE PLAN EXERCISE

PURPOSE

The purpose of the 2000 Annual Radiological Emergency Response Plan (RERP) Exercise is twofold: (1) to test the state of emergency preparedness of Crystal River Unit 3 (CR-3) and Florida Power Corporation (FPC); and (2) to meet the biennial exercise requirement of the onsite emergency plan for licensees as defined in 10 CFR 50, Appendix E.

SCOPE

A Nuclear Regulatory Commission (NRC) Region 2 evaluation team will assess FPC emergency response. The Exercise will provide data for two of the three Performance Indicators (PIs) in the Emergency Preparedness Cornerstone of the NRC Revised Reactor Oversight Process. The PI for Drill/Exercise performance monitors overall exercise success by the effective protection of the health and safety of the general public. This is determined by timely and appropriate emergency classifications, timely and accurate notification of State and county emergency response agencies, and appropriate Protective Action Recommendations (PARs). The Exercise also provides drill participation credit which is monitored by the Emergency Response Organization (ERO) Participation PI. This PI measures the percentage of key ERO members who have participated in proficiency-enhancing drills or exercises in the last eight quarters.

The Exercise will be a "Full Participation Exercise" for the State and local response organizations. The Federal Emergency Management Agency (FEMA) will evaluate the response of offsite agencies. This exercise has been selected as the first of four pilot plant exercises to use the new FEMA evaluation process (FEMA Initiative 1.1: Establish Evaluation Areas). Participants include the Florida Division of Emergency Management, the Florida Department of Health - Bureau of Radiation Control, and Citrus and Levy Counties' Emergency Management organizations.

The Exercise will use CR-3's site-specific Simulator as the Control Room. The Simulator communications systems will be connected to plant and outside systems. Simulator data will be electronically displayed in the Technical Support Center (TSC) and Emergency Operations Facility (EOF). Hard copy data sheets are available as a contingency should the Simulator fail during the Exercise.

Information not generated by the Simulator will be provided to Exercise participants by Controllers via Message Cards. The Message Cards will contain scenario information which the participants will use to evaluate conditions and initiate specific emergency responses. Controller prompts may be necessary to keep the Exercise on schedule. All prompts will be documented by the Controllers.

The following required drills will be conducted as part of this Exercise: Two (2) Radiological Monitoring/Health Physics drills (onsite Radiation Monitoring Team and offsite Radiation Monitoring Team); and a Sampling Team Drill.

The Exercise will be formally critiqued by participants and Controllers. The purpose of this critique will be to evaluate the performance of response organizations, to determine the degree to which Exercise objectives were met, and to present the findings to FPC management.

2000 EXERCISE OBJECTIVES

The overall objective of the Exercise is to demonstrate the ability of Florida Power Corporation's (FPC's) Radiological Emergency Preparedness Program to protect the health and safety of the general public and personnel on the Crystal River Energy Complex. Bolded numbers represent NUREG-0654 elements.

General Objectives

1. By effectively protecting public health and safety, demonstrate the adequacy of the Radiological Emergency Response Plan (RERP) to integrate the emergency response of FPC, governments (Federal, State, and county), and support organizations (medical, technical). (**A.1a, A.1b, A.1c, A.1d, B.1, B.8, B.9, E.6, I.7, I.11, L.1, L.4**)
2. Demonstrate the adequacy, operability, and effective use of emergency communications equipment.
3. Demonstrate the ability of FPC to support the State of Florida and local authorities in emergency response activities within the plume exposure pathway Emergency Planning Zone. (**H.6c**)
4. Demonstrate that areas requiring corrective action identified in the previous RERP Exercise have been corrected.
5. Provide an exercise scenario that supports objectives for the State and county emergency responders. (**J.9, J.11**)

Operations Objectives (Simulator Control Room)

1. Demonstrate accident assessment and mitigation in the Control Room, including recognition and evaluation of degrading plant conditions, and recommendation of specific corrective actions to stabilize the plant.
2. Demonstrate a proficiency in recognizing and classifying emergency conditions. (**D.1, D.2, I.1**)
3. Demonstrate the ability to perform emergency notifications, as required, to the State of Florida, local authorities (including protective action recommendations), and the NRC. (**E.1, E.2, E.3, E.4, E.6, F.1b, F.1c, F.1e, J.7**)
4. Demonstrate an effective turnover of Emergency Coordinator (EC) responsibilities between the Nuclear Shift Manager and the Director Nuclear Plant Operations or EC on call.

On-Site (TSC/OSC) Emergency Response Organization Objectives

1. Demonstrate the ability to activate the Technical Support Center (TSC) and to achieve operational status in a timely manner. **(B.2, B.3, B.5, E.2, F.1e)**
2. Demonstrate a proficiency in recognizing and classifying emergency conditions in the TSC. **(D.1, D.2, I.1)**
3. Demonstrate the ability to perform emergency notifications, as required, to the State of Florida, local authorities (including protective action recommendations), and the NRC. **(E.1, E.2, E.3, E.4, E.6, F.1b, F.1c, F.1e, J.7)**
4. Demonstrate accident assessment and mitigation capabilities in the TSC. **(I.2)**
5. Demonstrate Fire Brigade response. **(N.2b)**
6. Demonstrate an effective transfer of notification responsibilities from the EC to the Emergency Operations Facility (EOF) Director when the EOF is operational.
7. Demonstrate the effectiveness and control of the Emergency Repair Team.
8. Demonstrate the effectiveness and control of the Emergency Medical Technicians. **(L.2)**
9. Demonstrate the effectiveness and control of the Emergency Sample Team. **(I.2)**
10. Demonstrate the effectiveness and control of the Radiation Monitoring Team. **(H.7, I.7, I.9)**
11. Demonstrate provisions for a suitable assembly area for personnel evacuated from the Protected Area. **(J.2, J.3)**

Emergency Operations Facility Objectives

1. Demonstrate the ability to activate the EOF and to achieve operational status in a timely manner. **(B.5, F.1e)**
2. Demonstrate the ability to establish and maintain appropriate communications with State and Federal Emergency Management representatives, including the recommendation of protective actions. **(B.7c, E.1, E.2, E.4, E.6, F.1c, F.1d, F.1e, J.7)**
3. Demonstrate plans and procedures for re-entry and recovery. **(B.7.b, M.1)**
4. Demonstrate the ability to provide adequate logistical support for emergency personnel (e.g., transportation, food, lodging, equipment, etc). **(B.7a)**

5. Demonstrate accident assessment and mitigation capabilities in the EOF.

Radiological Control Objectives

1. Demonstrate the ability to control radiological exposure to emergency workers and Energy Complex personnel. **(K.1, K.2, K.3a, K.3b, J.6a, J.6b, J.6c)**
2. Demonstrate the ability to perform radiological monitoring and assessment in the plant and site environs. **(H.7, I.7, I.8, I.9, N.2d)**
3. Demonstrate effective estimation and assessment of a (simulated) release of airborne radioactivity to the environment. **(I.2, I.3a, I.3b, I.4, I.6, I.8, I.10)**
4. Demonstrate the ability to provide the Emergency Coordinator and the EOF Director with timely and sound emergency protective action recommendations based on dose. **(I.10)**
5. Demonstrate the receipt and analysis of all field monitoring data and coordination of those results with non-FPC agencies at the EOF. **(F.1d, H.6b, H.12)**
6. Demonstrate the adequacy of emergency supplies and equipment.
7. Demonstrate contamination control measures including the ability to determine the need for and performance of personnel and equipment decontamination as appropriate. **(K.5a, K.5b, K.6)**

Security Objectives

1. Demonstrate the ability to perform accountability on-site (Protected Area) within 30 minutes of an evacuation of the Protected Area following a Site Area Emergency declaration. **(J.1a, J.1b, J.1c, J.5)**
2. Demonstrate the ability to maintain on-site security throughout an emergency at CR-3, including establishing and enforcing access control points.
3. Demonstrate the ability to establish and maintain EOF security.

Corporate Relations Objectives

1. Demonstrate timely activation of the Emergency News Center. **(G.3a, G.3b)**
2. Demonstrate the ability to obtain emergency-related information. **(G.4a)**

3. Demonstrate the ability to disseminate timely, accurate, and appropriate emergency information. **(B.7d, G.4b, G.4c)**