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SUBJECT: Forwards exercise objectives for emergency exercise scheduled for 900124.

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November 13, 1989
L-89-403

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Emergency Exercise - January, 1990

Florida Power & Light Company (FPL), in cooperation with the State of Florida, St. Lucie County, and Martin County emergency response agencies, will conduct an exercise of the emergency plan for St. Lucie Plant on January 24, 1990. The exercise will involve participation by local emergency response agencies and State emergency response personnel, but will not be evaluated by the Federal Emergency Management Agency.

Attached are the FPL objectives for the exercise. If there are any questions or comments concerning the exercise, or its objectives, please contact Mr. J. J. Maisler at (407) 694-4218.

Very truly yours,

DASager
D. A. Sager
Vice President
St. Lucie Plant

DAS/JRH/rh

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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PDR ADOCK 05000335
F PDC

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
EXERCISE OBJECTIVES

January 24, 1990

A. General Objectives

1. Notification of Emergency Response Personnel

- a. Demonstrate the ability to promptly alert, notify, and mobilize FPL Emergency Response Personnel.
- b. Demonstrate the capability to promptly notify the NRC, State, and local authorities of an emergency declaration or change in emergency classification.
- c. Demonstrate the capability to conduct off hours call-out of the FPL Onsite and Offsite Emergency Response Organizations.

2. Emergency Response Facilities, Equipment, and Communications

- a. Demonstrate offhours staff augmentation and activation of Emergency Response Facilities.
- b. Demonstrate the functional and operational adequacy of the TSC, OSC, EOF, and ENC.
- c. Demonstrate the adequacy, operability, and effective use of designated emergency response equipment.
- d. Demonstrate the adequacy, operability, and effective use of emergency communications equipment.

3. Direction and Control

- a. Demonstrate the ability of each emergency response facility manager to maintain command and control over the emergency response activities conducted within the facility throughout the exercise.
- b. Provide the opportunity for State and Local Governments to participate and interact in a simulated nuclear emergency.

A. . General Objectives (cont'd)

- c. Demonstrate the adequacy of operational interfaces with Offsite Emergency Response Organizations.
- d. Demonstrate the ability to gather, assess, and disseminate information to the public and governmental officials regarding the status of the emergency conditions and the status of emergency response activities within regulatory defined time limitations.

4. Accident Assessment

- a. Demonstrate the ability of the Control Room, TSC, and EOF to analyze current plant conditions, their potential consequences, and provide recommendations for mitigating actions.

5. Radiological Assessment

- a. Demonstrate the ability to control and coordinate the flow of information regarding off-site radiological consequences between radiological assessment personnel stationed at the TSC and the EOF.

6. Protective Response

- a. Demonstrate the ability to adequately control radiation exposure to on-site emergency workers, as appropriate to radiological conditions.
- b. Demonstrate the ability of the Emergency Coordinator and/or Recovery Manager to determine Protective Action Recommendations for the public, as appropriate to the emergency condition.

7. Training and Exercise

- a. Conduct an exercise with start time between midnight and 6 A.M.
- b. Demonstrate the ability of participants and controller/evaluators to evaluate and critique exercise performance.

B. Specific objectives for those activities conducted from the Control Room, Technical Support Center, and Operations Support Center.

1. Direction and Control

- a. Demonstrate the precise and clear transfer of Emergency Coordinator responsibilities from the Nuclear Plant Supervisor to designated senior plant management.
- b. Demonstrate the ability of each facility manager to periodically inform facility personnel of the status of the emergency situation and plant conditions.
- c. Demonstrate provision of periodic updates regarding plant casualty status to Offsite Radiological Monitoring Teams.
- d. Demonstrate the ability to promptly and accurately transfer information between emergency response facilities.
- e. Demonstrate the ability of the TSC and OSC to coordinate the deployment of emergency teams.
- f. Demonstrate the capability to arrange for and obtain transport and offsite medical support for a radiological accident victim.

2. Accident Assessment

- a. Demonstrate the ability of the Nuclear Plant Supervisor/Emergency Coordinator to classify an emergency condition.
- b. Demonstrate the ability of the TSC staff to support the control room efforts to mitigate the consequences of an accident, and place the affected unit in a safe, stable condition.
- c. Demonstrate the ability of the fire brigade to respond to a simulated fire emergency in a timely and appropriate manner.

B. Specific Objectives (cont'd)

3. Radiological Assessment

- a. Demonstrate the ability of the on-site survey team personnel to efficiently and effectively utilize their procedures to perform dose rate surveys, collect and analyze radiological samples, and to accomplish other prescribed on-site and in-plant radiological monitoring activities.
- b. Demonstrate the ability of the field monitoring teams to collect and analyze air samples and the capability for communications and recordkeeping.
- c. Demonstrate the ability of the field monitoring teams to respond to and analyze an airborne radiological release through direct radiation measurements in the environment.
- d. Demonstrate the availability and use of a back-up source of meteorological data.
- e. Demonstrate the capability to analyze samples and assess the resultant data.

4. Protective Response

- a. Demonstrate the ability to formulate and implement on-site protective action measures in a timely manner.

C. Specific Offsite Objectives for those Activities Conducted from the Emergency Operations Facility, Emergency News Center and by State or Local Agencies

1. Emergency Response Facilities and Communications

- a. Demonstrate real-time activation of the Emergency Operations Facility. Note that ENC will be staged at Juno so no real-time response (from Miami) will be required.
- b. Demonstrate that adequate communications exist between FPL and offsite agency emergency facilities.

2. Direction and Control

- a. Demonstrate the precise and clear transfer of procedurally defined responsibilities from the Emergency Coordinator to the Recovery Manager.

3. Accident Assessment

- a. Demonstrate the ability of the EOF staff to support the onsite efforts to mitigate the consequences of an accident, and place the affected unit in a safe, stable condition.

4. Radiological Assessment

- a. Demonstrate offsite environmental surveillance and dose assessment.
- b. Demonstrate the performance of offsite dose calculations.
- c. Demonstrate the ability to control and coordinate the flow of information regarding off-site radiological consequences with State radiological assessment personnel.

5. Protective Response

- a. Demonstrate that joint FPL/Government Agency decisions, regarding protective action recommendations for the general public within the EPZ, can be made in a timely manner.
- b. Demonstrate that protective action recommendations can be communicated to State and local authorities within regulatory time constraints.

6. Public Information

- a. Demonstrate the ability to coordinate the preparation, review and release of public information with State and local government agencies as appropriate. Provide accurate, clear, and timely information releases to the news media.

7. Medical

- a. Demonstrate the capability of the First Aid and Personnel Decontamination Team to respond to a medical emergency, administer first aid, and survey for contamination on a simulated contaminated injured individual.

D. Specific Portions of the Emergency Response that will not be tested.

1. Real time activation of the Emergency News Center by Corporate Communications personnel will not be demonstrated. Corporate Communications will, however, be positioned at the Juno Beach Facility.
2. Actual drawing of a sample using the post-accident sampling system.