



Florida Power & Light Company, 6351 S. Ocean Drive, Jensen Beach, FL 34957

November 10, 1999

L-99-245
10 CFR Part 50 Appendix E

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

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Emergency Plan Exercise – February 2000

Florida Power & Light Company (FPL), in cooperation with the State of Florida and the St. Lucie County and Martin County emergency response agencies, will conduct an exercise of the emergency plan for St. Lucie Plant on February 16, 2000. The exercise will involve participation by local emergency response agencies and the State of Florida emergency response personnel, and will be evaluated by the Federal Emergency Management Agency.

If there are any questions or comments concerning this exercise or the attached exercise objectives which have been reviewed by our local agencies, please contact Ms. Donna Calabrese at (561) 467-7185.

Very truly yours,

J. A. Stall
Vice President
St. Lucie Plant

JAS/tlt

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant
Kenneth P. Barr, Emergency Preparedness Section Chief, Region II, USNRC

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**FLORIDA POWER AND LIGHT COMPANY
ST. LUCIE PLANT
2000 EMERGENCY PREPAREDNESS EVALUATED EXERCISE
FEBRUARY 16, 2000
OBJECTIVES**

The St. Lucie Plant (PSL) 2000 Emergency Preparedness Exercise objectives are based upon Nuclear Regulatory Commission requirements provided in 10 CFR 50, Appendix E, *Emergency Planning and Preparedness for Production and Utilization Facilities* and inspection criteria listed in the NRC Inspection Manual. Additional guidance provided in NUREG-0654, FEMA-REP-1, Revision 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants*, was utilized in developing the objectives.

The exercise will be conducted and evaluated using a realistic basis for activities. Scenario events may escalate to a release of radioactive material to the environment.

The following objectives for the exercise are consistent with the aforementioned documents:

A. Accident Assessment and Classification

1. Demonstrate the ability to assess accident conditions.
2. Demonstrate the ability to identify initiating conditions, review conditions against the Emergency Action Levels (EALs), and correctly classify the emergency throughout the exercise.

B. Notification

1. Demonstrate the ability to alert, notify and mobilize Florida Power and Light (FPL) emergency response personnel.
2. Demonstrate the ability to alert and notify non-emergency response personnel.
3. Demonstrate appropriate procedures for both initial and follow-up notifications.
4. Demonstrate the capability to promptly notify the State of Florida and Local Authorities of an emergency declaration or change in emergency classification.
5. Demonstrate the capability to promptly notify the U.S. Nuclear Regulatory Commission (NRC) of an emergency declaration or change in emergency classification.
6. Demonstrate the ability to provide accurate and timely information to State, Local, and Federal Authorities concerning class of the emergency, plant status / conditions, and whether a radioactive release is in progress, as appropriate.

7. Demonstrate the ability to provide periodic plant status updates to State, Local, and Federal Authorities.

C. Communications

1. Demonstrate the availability and operability of emergency communications equipment for notification of State, Local, and Federal Authorities.
2. Demonstrate the means to provide follow-up information to State, Local, and Federal Authorities.
3. Demonstrate the availability and operability of communications equipment in the Emergency Response Facilities (ERFs) for interfacility communications.
4. Demonstrate the availability and operability of emergency communications equipment necessary for off-site monitoring activities.
5. Demonstrate the means to acquire meteorological data necessary for emergency response.

D. Emergency Response

1. Demonstrate staffing of Emergency Response Facilities (ERFs).
2. Demonstrate planning for 24-hour per day emergency response capabilities.
3. Demonstrate the activation of the Technical Support Center (TSC) and Operational Support Center (OSC).
4. Demonstrate the activation of the Emergency Operations Facility (EOF).
5. Demonstrate the functional and operational adequacy of the Emergency Response Facilities: TSC, OSC, and EOF.
6. 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.
7. Demonstrate the ability of each facility manager to periodically inform facility personnel of the status of the emergency situation and plant conditions.

8. Demonstrate the transfer of Emergency Coordinator (EC) function from the Nuclear Plant Supervisor (NPS) to designated senior plant management and transfer of Emergency Coordinator responsibilities: (1) off-site notification to the State and Local Authorities and (2) recommending protective actions to the Recovery Manager (RM).
9. Demonstrate the ability to promptly and accurately transfer information between Emergency Response Facilities (ERFs).
10. Demonstrate the ability of the TSC to request and prioritized Emergency Response Teams (ERTs) in a timely manner.
11. Demonstrate the ability of the OSC to assemble, dispatch, and control ERTs in a timely manner.
12. Demonstrate the capability for development of the appropriate Protective Action Recommendations (PARs) for the general public within the 10-Mile Emergency Planning Zone (EPZ).
13. Demonstrate that the appropriate PARs can be communicated to State and Local Authorities within the regulatory time constraints.
14. Demonstrate the activation, staffing, and control of the Emergency News Center (ENC).

E. Radiological Assessment and Control

1. Demonstrate the capability to provide radiological monitoring for people evacuated from the site.
2. Demonstrate the coordinated gathering of radiological data necessary for emergency response, including collection and analysis of in-plant surveys and samples, as applicable.
3. Demonstrate the capability to calculate radiological release dose projections and perform timely and accurate dose assessment, as appropriate.
4. Demonstrate the ability to compare on-site and off-site dose projections to the EPA protective action guidelines and determine and recommend the appropriate protective actions.

5. Demonstrate the ability to provide dosimetry to emergency response personnel as required and adequately track personnel exposure.
6. Demonstrate the capability to confirm and periodically assess the habitability of the on-site Emergency Response Facilities (ERFs).
7. Demonstrate the capability for on-site contamination control.
8. Demonstrate the ability to adequately control radiation exposure to on-site emergency workers, as appropriate, to radiological conditions.
9. Demonstrate the decision making process for authorizing emergency workers to receive radiation doses in excess of 10 CFR Part 20 limits, as appropriate.
10. Demonstrate the ability to control and coordinate the flow of information regarding off-site radiological consequences between radiological assessment personnel in the TSC and EOF.
11. Demonstrate the ability of field monitoring teams to respond to and analyze an airborne radiological release through direct radiation measurements in the environment, as appropriate.
12. Demonstrate the means to determine the necessity of and the capability for decontamination.
13. Demonstrate the ability to assemble and dispatch field monitoring teams.
14. Demonstrate the collection and analysis of air samples and provisions for effective communications and recordkeeping, as appropriate.
15. Demonstrate the ability to control and coordinate the flow of information regarding off-site radiological consequences with State radiological assessment personnel in the EOF.

F. Public Information Program

1. Demonstrate the timely and accurate response to news inquiries.
2. Demonstrate the ability to brief the media in a clear, accurate, and timely manner.
3. Demonstrate the ability to coordinate the preparation, review, and release of public information with State and Local Government Agencies, as appropriate.

G. Medical Emergency

1. Demonstrate the ability to respond to a radiation medical emergency in a timely manner.
2. 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.

H. Evaluation

1. Demonstrate the ability to conduct a post-exercise critique to determine areas requiring corrective action or improvement.

I. Clarifications/Exemptions

Areas of the PSL Emergency Plan that will NOT be demonstrated during this exercise include:

1. (E.1) Actual radiological monitoring of evacuated personnel (off-site HP monitoring resources will be identified and allocated to the off-site Assembly Area).
2. (E.9) Credit will be taken for discussion of the decision-making process during evaluation of the need for dose extension(s).
3. Site evacuation of non-essential personnel.
4. On-site personnel accountability.
5. Availability and operability of backup communications equipment.