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 AUTH.NAME AUTHOR AFFILIATION
 PLUNKETT,T.F. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Forwards scope & objectives for 1993 annual emergency
 preparedness exercise scheduled to be conducted on 931215.
 Exercise will involve participation of local emergency
 response agencies & state emergency response personnel.

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L-93-234

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

Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Exercise - December 1993

This letter forwards Florida Power & Light Company's scope and objectives for the 1993 Turkey Point Annual Emergency Preparedness Exercise. The objectives were developed in conjunction with state and local governments. The exercise will be conducted on December 15, 1993, and will involve participation by local emergency response agencies and State emergency response personnel.

If there are any questions or comments concerning the exercise, or its objectives, please contact Mr. John Kirkpatrick at (305) 246-6226.

Very truly yours,

T. F. Plunkett
Vice President
Turkey Point Nuclear

TFP/OIH

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
T. P. Johnson, Senior Resident Inspector, USNRC, Turkey Point Plant
W. Rankin, Emergency Preparedness Section Chief, Region II, USNRC

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ATTACHMENT
TO L-93-234

2.1 SCOPE

**FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT
1993 EMERGENCY PREPAREDNESS
EVALUATED EXERCISE
DECEMBER 15, 1993**

2.1 SCOPE

To assure that the health and safety of the general public is protected in the event of an accident at Turkey Point Nuclear Plant (PTN), it is necessary for the Florida Power and Light Company (FPL) to conduct an annual emergency preparedness exercise. This exercise involves mobilization of FPL, State of Florida and Local Government Agency personnel and resources to respond to a simulated accident scenario. The exercise will be evaluated onsite by the Nuclear Regulatory Commission (NRC). The exercise will be evaluated off-site by the Federal Emergency Management Agency (FEMA). An FPL controller organization will control, observe, evaluate and critique the PTN portion of the exercise and the NRC will evaluate the FPL performance so that the emergency response capabilities of the utility may be assessed. A State and County controller organization will control, observe and critique the off-site portion of the exercise and FEMA will evaluate the off-site agency performance so that the emergency response capabilities of those agencies may be assessed.

Due to the compressed timeline of the exercise, some portions of the FPL Emergency Response Organization may be prepositioned. All onsite Emergency Response Facilities will be activated in accordance with simulated conditions and appropriate emergency response procedures for the exercise. Exercise participants ("players") will not have any prior knowledge of the simulated accident events, operational sequence, radiological effluents or weather conditions.

In addition, the exercise incorporates the following:

Radiological Monitoring Drill - both onsite and off-site teams will be dispatched during the exercise to obtain required air samples and measurements associated with a simulated off-site release of radioactivity and communicate these results to the appropriate Emergency Response Facility (ERF). (Field monitoring team protective clothing and respiratory protection will be simulated in the field.)

Health Physics Drill - involves the response to and analysis of simulated elevated activity airborne or liquid samples, radiation exposure control, emergency dosimetry and the use of protective equipment onsite.

Communications Drill - Actual usage and demonstration of the integrity of emergency response communications links and equipment.

Medical Emergency Drill - a demonstration of the response to a simulated medical emergency situation involving radiological considerations including the packaging and transport of the simulated injured person to the designated off-site treatment facility.

The preceding sub-drills are incorporated into the exercise scenario and will be demonstrated concurrently in the course of the exercise. The overall intent of the exercise is to demonstrate that the FPL staff assigned responsibilities in an emergency situation are adequately trained to perform in accordance with the Emergency Plan and its implementing procedures.

2.2 OBJECTIVES

**FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT
1993 EMERGENCY PREPAREDNESS
EVALUATED EXERCISE
DECEMBER 15, 1993**

2.2 OBJECTIVES

The Turkey Point Nuclear Plant (PTN) emergency preparedness evaluated exercise objectives are based upon Nuclear Regulatory Commission requirements provided in 10 CFR 50: a) 50.47, *Emergency Plans*; and b) Appendix E, *Emergency Planning and Preparedness for Production and Utilization Facilities*. 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.

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

A. Exercise Planning

1. Conduct an exercise of the PTN Emergency Plan.
2. Provide an opportunity for the State of Florida and Dade and Monroe Counties to participate in an exercise.
3. Prepare an exercise information package, original and dissimilar to practice drill(s), to include:
 - a. The objectives of the exercise and appropriate evaluation criteria.
 - b. The date, time period, place, and a list of participating organizations
 - c. The simulated sequence of events.
 - d. The time schedule of real and simulated initiating events.
 - e. The narrative summary.
4. Conduct a critique of the exercise and prepare an evaluation report.

2.2 OBJECTIVES (Continued)

B. Emergency Organizations, Support, and Resources

1. Demonstrate the prompt activation, adequacy of the staffing and set up, as appropriate, of emergency response facilities as follows:
 - Control Room
 - Technical Support Center (TSC)
 - Operations Support Center (OSC)
 - Emergency Operations Facility (EOF)
 - Emergency News Center (ENC)
2. Demonstrate the capability of the FPL Emergency Response Organization to implement their Emergency Plan Implementing Procedures.
3. Demonstrate the ability of the Emergency Response Facility Managers/Supervisors to provide overall direction, including "command and control" by initiating, coordinating, and implementing timely and effective decisions during a radiological emergency.
4. Demonstrate the ability to effectively transfer command and control of emergency response functions from the Control Room to the TSC/EOF.
5. Demonstrate the provisions for continuous staffing of the emergency facilities.
6. Demonstrate the interface capability between the FPL Emergency Response Organization and the State of Florida and Dade and Monroe Counties for effective response coordination to a radiological emergency and adequate protection of the health and safety of the public.
7. Demonstrate the ability to control access to emergency facilities.
8. Demonstrate adequacy of designated facilities and equipment to support emergency operations.
9. Based on scenario events, demonstrate that outside support agencies and organizations are available to provide assistance, as necessary.
10. Demonstrate the ability of corporate personnel to augment the Emergency Response Organization (ERO) and support the plant staff.

2.2 OBJECTIVES (Continued)

C. Accident Assessment and Classification

1. Demonstrate the availability of methods, equipment, and expertise to make assessments of the consequences of radiological hazards, including the dispatch and coordination of Field Monitoring Teams.
2. Demonstrate the ability to recognize emergency action levels (EALs) and properly classify emergencies in accordance with the Turkey Point Emergency Plan Implementing Procedures (EPIP)s.

D. Notification and Communication

1. Demonstrate the ability to notify offsite emergency organizations within approximately 15 minutes of each emergency classification.
2. Demonstrate the ability to notify the NRC of any emergency classification within approximately one hour of the declaration.
3. Demonstrate the ability to notify FPL Emergency Response Organization personnel.
4. Demonstrate the ability to develop and send timely information to State and local authorities as required by the Emergency Plan.
5. Demonstrate the ability to communicate among the Control Room, TSC, OSC, EOF, and ENC, as appropriate.
6. Demonstrate that adequate communication capabilities exist between FPL, and the State and local Emergency Operations Centers (EOCs).
7. Demonstrate that adequate communications capabilities exist among FPL, the State Radiation Monitoring Teams and the Turkey Point Plant.
8. Demonstrate the ability to communicate among the Control Room, TSC, and EOF.

E. Radiological Consequence Assessment

1. Demonstrate methods and techniques for determining the source term of releases or potential releases of radioactive material.
2. Demonstrate the adequacy of methods and techniques for determining the magnitude of the releases of radioactive materials based on plant system parameters and effluent monitors.

2.2 OBJECTIVES (Continued)

E. Radiological Consequence Assessment (Continued)

3. Demonstrate the ability to estimate integrated dose from projected or actual dose rates and to formulate Protective Action Recommendations (PARs).
4. Demonstrate the ability to monitor and control emergency worker radiation exposure and implement exposure guidelines as appropriate.
5. Demonstrate the availability of respiratory protection, and protective clothing for onsite emergency response personnel.
6. Demonstrate the capability for onsite contamination control.
7. Demonstrate the ability to decontaminate onsite personnel, as appropriate.
8. Demonstrate the ability to evaluate the radiation exposure and contamination levels (external) of an accident victim, as appropriate.
9. Demonstrate the capability for onsite and offsite radiological monitoring, to include collection, and analysis of sample media (e.g. air) and provisions for communications and record keeping.
10. Demonstrate the capability to use the Post Accident Sampling System (PASS) (walk-through/simulate).
11. Demonstrate that a program exists to analyze fluid samples and provide the isotopic and chemical results of the analysis within three hours of the time the sample was first requested.

F. Protective Action

1. Demonstrate the ability to recommend protective actions to appropriate offsite authorities.
2. Demonstrate the ability to advise individuals onsite or in owner controlled areas of emergency conditions.
3. Demonstrate the capability for onsite first aid.
4. Demonstrate the ability to conduct search and rescue procedures if persons are identified as missing during accountability procedures.

2.2 OBJECTIVES (Continued)

G. Public Information

1. Demonstrate the operations of the ENC and the availability of space for the media.
2. Demonstrate the ability to brief the media in a clear, accurate and timely manner.
3. Demonstrate the ability to produce accurate press releases in appropriate time frames.
4. Demonstrate coordination of information prior to its release.
5. Demonstrate the ability to establish and operate rumor control in a coordinated fashion.

H. Recovery Operations

1. Demonstrate the availability of procedures to support re-entry and recovery, including de-escalation/termination from the emergency phase, and transition to recovery phase.

I. 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 Team to respond to a medical emergency, administer first aid, and survey for contamination on a simulated contaminated, injured individual.
3. Demonstrate the capability to arrange for and obtain transportation and off-site medical support for a radiological accident victim.
4. Demonstrate the ability of Mercy Hospital personnel to treat a contaminated, injured patient.

2.2 OBJECTIVES (Continued)

J. Exemptions

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

1. Site evacuation of non-essential personnel.
2. Onsite personnel accountability.
3. Actual shift turnover (long term shift assignments will be demonstrated by rosters).
4. Real time activation of the EOF and ENC by Corporate Emergency Response Organization and governmental agencies.
5. Actual drawing of a sample utilizing the Post-Accident Sampling System (PASS).

