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SUBJECT: Advises that emergency response agencies will conduct exercise of emergency plan for plant on 910320 & 21. Objectives for exercise encl.

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December 20, 1990

L-90-454

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

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Emergency Exercise - March 1991

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 March 20 and 21, 1991. The exercise will involve participation by local emergency response agencies and State emergency response personnel and will be evaluated by the Federal Emergency Management Agency.

Attached is a summary of FPL objectives for the exercise. If there are any questions or comments concerning this exercise, or its objectives, please contact Mr. R. D. Mothena at (407) 694-4218.

Very truly yours,

D. A. Sager
Vice President
St. Lucie Plant

DAS:GRM:kw

Attachment

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

DAS/PSL #309

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OBJECTIVES

FLORIDA POWER AND LIGHT COMPANY
ST. LUCIE PLANT
1991 EMERGENCY PREPAREDNESS
EVALUATED EXERCISE
MARCH 20/21, 1991

OBJECTIVES

The St. Lucie Plant (PSL) 1991 emergency preparedness evaluated 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*. 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 plume exposure pathway portion of the exercise will be conducted and evaluated using a realistic basis for activities. Scenario events will escalate to core damage and subsequent release of radioactive material to the environment.

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

A. Accident Assessment and Classification

1. Demonstrate the ability to identify initiating conditions, determine Emergency Action Level (EAL) parameters and correctly classify the emergency throughout the exercise.

B. Notification

1. Demonstrate the ability to alert, notify and mobilize FPL emergency response personnel.
2. Demonstrate the capability to promptly notify the NRC, State and Local Authorities of an emergency declaration or change in emergency classification.
3. Demonstrate appropriate procedures for both initial and follow-up notifications.
4. Demonstrate the ability to provide follow-up information to State, Local and Federal Authorities.

OBJECTIVES (Continued)

B. Notification (Continued)

5. Demonstrate the ability to provide accurate and timely information to State, Local and Federal authorities concerning radioactive releases in progress.

C. Emergency Response

1. Demonstrate staffing and activation of Emergency Response Facilities.
2. Demonstrate planning for 24-hour per day emergency response capabilities.
3. Demonstrate the timely activation of the Technical Support Center (TSC) and Operational Support Center (OSC).
4. Demonstrate the functional and operational adequacy of the TSC, OSC, EOF and Emergency News Center (ENC).
5. Demonstrate the adequacy, operability and effective use of designated emergency response equipment.
6. Demonstrate the adequacy, operability and effective use of emergency communications equipment.
7. 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.
8. Demonstrate the ability of each facility manager to periodically inform facility personnel of the status of the emergency situation and plant conditions.
9. Demonstrate provision of periodic updates regarding plant casualty status to Off-Site Radiological Monitoring Teams.
10. Demonstrate the precise and clear transfer of Emergency Coordinator responsibilities from the Nuclear Plant Supervisor to designated senior plant management and transfer of Emergency Coordinator responsibilities to the Recovery Manager.

OBJECTIVES (Continued)

C. Emergency Response (Continued)

11. Demonstrate the ability to promptly and accurately transfer information between emergency response facilities.
12. Demonstrate the ability of the TSC and OSC to coordinate the deployment of emergency teams.
13. Demonstrate the availability of qualified personnel and timely organization of reentry teams to assist in accident assessment and mitigation.
14. Demonstrate the capability for development of Protective Action Recommendations (PAR) for the general public within the 10 Mile Emergency Planning Zone (EPZ).
15. Demonstrate that PARs can be communicated to State and local authorities within the regulatory time constraints.
16. Demonstrate the ability to integrate emergency response activities with Federal emergency response personnel.
17. Demonstrate the ability to support State and Local Plume Ingestion Pathway activities (EOF only).

D. Radiological Assessment and Control

1. Demonstrate the coordinated gathering of radiological and non-radiological (meteorological) data necessary for emergency response, including collection and analysis of in-plant surveys and samples.
2. Demonstrate the capability to perform dose assessment.
3. Demonstrate the ability to compare onsite and off-site dose projections to Protective Action Guidelines (PAGs) and determine and recommend the appropriate protective actions.
4. Demonstrate the ability to provide dosimetry to emergency response personnel as required and adequately track personnel exposure.

OBJECTIVES (Continued)

D. Radiological Assessment and Control (Continued)

5. Demonstrate the capability for onsite contamination control.
6. Demonstrate the ability to adequately control radiation exposure to onsite emergency workers, as appropriate to radiological conditions.
7. Demonstrate the decision making process for authorizing emergency workers to receive radiation doses in excess of St. Lucie Plant administrative limits, as appropriate.
8. 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 EOF.
9. Demonstrate the ability of field monitoring teams to respond to and analyze an airborne radiological release through direct radiation measurements in the environment.
10. Demonstrate the collection and analysis of air samples and provisions for effective communications and recordkeeping.
11. Demonstrate the ability to control and coordinate the flow of information regarding off-site radiological consequences with State radiological assessment personnel.

E. 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 Federal (NRC), State and Local Government Agencies as appropriate.
4. Demonstrate the ability to establish and operate rumor control.

OBJECTIVES (Continued)

F. 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.
3. Demonstrate the capability to arrange for and obtain transport and off-site medical support for a radiological accident victim.
4. Demonstrate the ability of Lawnwood Regional Medical Center personnel to treat an injured and/or contaminated patient.
5. Demonstrate the administrative means to document and monitor status of a medical emergency victim.

G. Fire Emergency

1. Demonstrate the ability of the Fire Brigade to respond to a simulated fire emergency in a timely and appropriate manner.

H. Evaluation

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

I. Exemptions

Areas of the PSL 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).

OBJECTIVES (Continued)

I. Exemptions (Continued)

4. Real time activation of the EOF and ENC. (Emergency response personnel will not be allowed entry to the facilities until an appropriate time in the scenario, but will not be required to transit real-time from Miami due to time limitations in the exercise.)
5. Actual drawing of a sample utilizing the Post-Accident Sampling System (PASS)