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September 22, 1987

U. S. Nuclear Regulatory Commission
Region II - Suite 2900
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Atlanta, Georgia 30303
ATTN: Dr. J. Nelson Grace

PLANT HATCH - UNITS 1, 2
NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
1987 EMERGENCY PREPAREDNESS EXERCISE

Gentlemen:

Georgia Power Company will conduct the annual emergency preparedness exercise for the Hatch Nuclear Plant (HNP) Units 1 and 2 on December 8, 1987, in accordance with 10 CFR 50, Appendix E. A full-scale exercise whose scope and objectives are described in the Enclosure, is planned.

If you have any questions in this regard, please contact this office at any time.

Sincerely,

L. T. Gucwa

JCJ/JH/lc

Enclosure: Plant Hatch 1987 Emergency Preparedness Exercise
Scope and Objectives

c: (see next page)

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U. S. Nuclear Regulatory Commission
September 22, 1987
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c: Georgia Power Company

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State of Georgia
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ENCLOSURE

PLANT HATCH - UNITS 1, 2
NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
1987 EMERGENCY PREPAREDNESS EXERCISE

I. Scope

To assure that the health and safety of the general public is protected in the event of an accident at the Hatch Nuclear Plant (HNP), it is necessary for the Georgia Power Company (GPC) to conduct an annual emergency preparedness exercise. The 1987 exercise at HNP involves mobilization of GPC personnel and resources to respond to a simulated accident. The exercise will be evaluated by the Nuclear Regulatory Commission (NRC) so that the emergency response capabilities of the utility may be assessed.

Due to the compressed timeline, some portions of the GPC emergency organization may be prepositioned. Onsite facilities will be activated in accordance with simulated conditions and appropriate emergency response procedures. Exercise "players" will not have any prior knowledge of the simulated accident, operational sequence, radiological plume release or weather conditions.

A radiological medical emergency will be integrated into the operational and radiological scenario in order to evaluate the ability of the GPC plant staff to effectively respond to a contaminated/injured individual. The medical emergency will also test the ability of the designated hospital and emergency medical service to treat a contaminated/injured patient.

State and local governments will participate fully. Therefore, the Federal Emergency Management Agency (FEMA) will be evaluating the exercise.

In addition, a semi-annual health physics drill, radiological monitoring drill, communication drill, and a fire response drill will be incorporated into the exercise scenario and conducted concurrently with the exercise.

The overall intent of the exercise is to demonstrate that GPC staff assigned responsibilities in an emergency situation are adequately trained to perform in accordance with Emergency Preparedness Plans and Procedures.

ENCLOSURE (Continued)

1987 EMERGENCY PREPAREDNESS EXERCISE

II. Objectives

HNP emergency preparedness exercise objectives are based on NRC requirements provided in 10 CFR 50.47, "Emergency Plans", and 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.

A. Accident Assessment and Classification

1. Demonstrate the ability to identify initiating conditions, determine EAL parameters and correctly classify the emergency throughout the exercise.
2. Demonstrate the ability to provide core damage assessments.

B. Notification

1. Demonstrate the ability to alert, notify and mobilize appropriate station and corporate emergency response personnel.
2. Demonstrate the ability for prompt notification of the State, local, and Federal authorities.
3. Demonstrate the ability to warn or advise onsite individuals (including employees, visitors, and contract personnel) of an emergency condition.

c. Emergency Response

1. Demonstrate that an individual is assigned and is in charge of the emergency response.
2. Demonstrate planning for 24-hour per day emergency response capabilities.
3. Demonstrate the line of succession for the Emergency Director.

ENCLOSURE (Continued)

1987 EMERGENCY PREPAREDNESS EXERCISE

4. Demonstrate timely response of station and corporate management, administrative and technical staff.
5. Demonstrate the ability to evacuate onsite personnel (sample population) to a relocation center.
6. Demonstrate the timely activation of the Technical Support Center (TSC), Operations Support Center (OSC), Emergency Operations Facility (EOF), and General Office Operations Center (GOOC).
7. Demonstrate the adequacy of equipment, security provisions, and habitability precautions for the TSC, OSC, EOF, GOOC, and the Emergency News Center.
8. Demonstrate satisfactory communications ability of all emergency support resources.

D. Radiological Assessment and Control

1. Demonstrate the coordinated gathering of radiological and non-radiological (meteorological) data necessary for emergency and environmental response including collection and analysis of in-plant surveys and samples.
2. Demonstrate the ability to develop dose projections, compare the projections to Protective Action Guidelines (PAG) and determine and recommend the appropriate protective actions.
3. Demonstrate onsite contamination control measures including area access control.
4. Demonstrate the ability for determining projected doses from available plant instrumentation.
5. Demonstrate the ability to take and analyze a post-accident sample.
6. Demonstrate onsite PAG's for a select number of plant personnel.

ENCLOSURE (Continued)

1987 EMERGENCY PREPAREDNESS EXERCISE

7. Demonstrate the decision-making process for authorizing emergency workers to receive radiation doses in excess of Plant Hatch administrative limits.

E. Re-entry and Recovery

1. Demonstrate the initiation of the re-entry and recovery organization and the notification of State and local organizations.

F. Public Information Program

1. Demonstrate the timely and accurate response to news inquiries.
2. Demonstrate timely preparation of accurate news releases and suppression of rumors.
3. Demonstrate the adequacy of the ENC facility in Vidalia.

G. Medical Emergency

1. Demonstrate the ability to respond to a radiation medical emergency.
2. Demonstrate the adequacy of communications to offsite response agencies (Meadows Memorial Hospital and local ambulance service).
3. Demonstrate the ability to evaluate a radiological injury.
4. Demonstrate the ability to implement appropriate first aid and contamination control techniques.
5. Demonstrate the adequacy of the interface between plant station and offsite personnel (Meadows Memorial Hospital and local ambulance service).

ENCLOSURE (Continued)

1987 EMERGENCY PREPAREDNESS EXERCISE

6. Demonstrate the ability of ambulance personnel to treat an injured and contaminated patient while maintaining contamination control.
7. Demonstrate the ability of Meadows Memorial Hospital personnel to decontaminate an injured and contaminated patient.

H. Evaluation

1. Demonstrate ability to conduct a post-exercise critique to determine areas requiring additional improvement.

Areas of the HNP Emergency Plan that will NOT be demonstrated during the 1987 Exercise include:

- Onsite personnel accountability.
- Actual shift turnover (long term shift assignments will be demonstrated by rosters).
- Relocation to backup EOF.
- Real time actuation of the ENC.
- Utilization of offsite fire support.
- Conduct of re-entry and recovery operations.