



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

Report Nos. 50-321/80-51 and 50-366/80-51

Licensee: Georgia Power Company  
270 Peachtree Street  
Atlanta, GA 30303

Docket Nos. 50-321 and 50-366

Inspection Region II Office in Atlanta, Georgia

Inspector: *J. J. Lenahan for* 1-29-81  
J. J. Lenahan Date Signed

Approved by: *T. E. Conlon* 1-29-81  
T. E. Conlon, Section Chief, RCES Branch Date Signed

SUMMARY

A Corporate Management Meeting was held on December 23, 1980, to discuss the repairs to the backfill supporting the RHR and Service Water Piping at the intake structure. This meeting involved 6 inspector man-hours.

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## DETAILS

### 1. Persons Contacted

#### Licensee Employees

J. T. Beckham, Jr., Manager of Nuclear Generation  
R. D. Baker, Power Generation Engineer  
J. R. Jordon, Project Manager - Plant Hatch  
W. D. Drinkard, Civil Engineering Section Supervisor  
J. Rearden, Jr., Civil Engineer

#### Other Organizations

G. A. Kosi, Civil Group Supervisor, (Bechtel)  
R. R. Ganii, Plant Design Staff, (Bechtel)  
R. A. Glasby, Project Engineer, (Bechtel)

#### Nuclear Regulatory Commission (NRC)

J. J. Lenahan, Civil Engineer, RCES Branch  
T. E. Conlon, Section Chief, RCES Branch  
H. C. Dance, Section Chief, RONS Branch

### 2. Management Meeting

At the request of the NRC Region II, representatives of Georgia Power Company and their Architect-Engineer, Bechtel, met on December 23, 1980, with Region II personnel at the Region II office in Atlanta, Georgia. The purpose of this meeting was to discuss the repairs to the backfill supporting the RHR and service water piping at the intake structure. This problem was reported to NRC on June 12, 1980, as Licensee Event Report (LER) number 50-321/1980-066. The following specific items were discussed:

- a. The maximum allowable distances which the pipes can span during the backfill repair work without any horizontal or vertical support. The loads imposed on the piping in calculation of this span distance and the allowable pipe stress values are those used in the original piping design.
- b. Bechtel's evaluation of supporting the 18 and 30 inch pipe lines on wooden blocks at approximately every 20 feet, but with no horizontal restraint for a distance of approximately 40 feet.
- c. The possible effect of damage to the piping from missiles or a crane accident during the repair work. The licensee has taken precautions to preclude simultaneous damage to both redundant physically separated piping systems from a crane accident.
- d. The estimated schedule for completion of the intake backfill repair work. The licensee submitted a tentative schedule to NRC which states

that work will be completed by early March 1981, provided no problems are encountered in dewatering the deep excavation adjacent to the intake structure.

- e. The effect of welding pieces of angle iron onto the 18 and 30 inch diameter RHR and service water pipes to support 2 two inch air lines. Bechtel is still evaluating this problem.

The licensee will submit a supplement to the original LER on or about January 12, 1981. The following points will be included in this updated LER:

- a. A discussion of the engineering analysis which was performed to determine the maximum distance which the pipes can span without any horizontal or vertical support. Sample calculations will also be submitted.
- b. A discussion of the engineering evaluation of supporting the pipes on wooden blocks every 20 feet, but with no horizontal restraints for a distance of approximately 40 feet. Calculations will be submitted.
- c. A schedule for completion of the repair work
- d. A discussion of the methods to be used to evaluate the effect of welding angle iron supports for the 2 inch pipes on the 18 and 30 inch RHR and service water pipes.