

October 1, 1986

Dockets Nos. 50-321/366

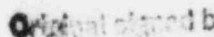
Mr. J. T. Beckham, Jr.  
Vice President, Nuclear Generation  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30302

Dear Mr. Beckham:

In order to facilitate our review of George Power Company's resolution of seismic analysis discrepancies for Hatch Units 1 and 2, we need the additional information described in the enclosure. You are requested to provide a written response, submitting the requested information, within 30 days of receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by

George Rivenbark, Project Manager  
BWR Project Directorate #2  
Division of BWR Licensing

Enclosure:  
Request for Additional Information

cc: See next page

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Mr. J. T. Beckham, Jr.  
Georgia Power Company

Edwin I. Hatch Nuclear Plant,  
Units Nos. 1 and 2

cc:

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Resident Inspector  
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Mr. J. Leonard Ledbetter, Commissioner  
Department of Natural Resources  
270 Washington Street, N.W.  
Atlanta, Georgia 30334

Chairman  
Appling County Commissioners  
County Courthouse  
Baxley, Georgia 31513

REQUEST FOR ADDITIONAL INFORMATION BY THE  
OFFICE OF NUCLEAR REACTOR REGULATION RELATING TO  
LICENSEE'S RESOLUTION OF DISCREPANCIES IN  
SEISMIC ANALYSIS AT HATCH UNITS 1 and 2  
GEORGIA POWER COMPANY

The following information should be provided:

1. Soil profile at the site including dynamic soil properties (shear modulus, density, Poisson's ratio). Variation of soil properties (shear modulus and material damping) with shear strain. Low strain values and those used in the dynamic analyses of the buildings.
2. Foundation elevations and thicknesses for all buildings.
3. Description of approach to obtaining soil damping values (radiation plus material).
4. Mode-by-mode/bldg by bldg equivalent modal damping values (radiation plus material).
5. Selected comparison of Unit 1/2 response spectra at common points.
6. Dynamic models of selected structures
  - (a) diesel generator building
  - (b) perhaps others will be requested at a later date depending on responses to 1-5.
7. Comparison of methods of seismic analysis between equivalent buildings in Unit 1 and Unit 2.