

Georgia Power Company
230 Peachtree Street
Post Office Box 4545
Atlanta, Georgia 30303
Telephone 404 522-6060

REGION II
GEORGIA

TEEA



Georgia Power
the southern electric system

Power Supply Engineering and Services 79 APR 25 P 4: 38
April 25, 1979

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

TEEA
REFERENCE:
RII: JPO
50-321
50-366

ATTENTION: Mr. James P. O'Reilly

Gentlemen:

The following is submitted in response to your letter dated April 14, 1979, concerning IE Bulletin 79-07.

1. The seismic stress analysis of safety related piping at Plant Hatch was performed by the Gaithersburg Power Division of Bechtel Power Corporation, Teledyne Engineering Services for Bechtel, Southern Company Services, Inc., or General Electric Company.

The computer programs used by Bechtel or Teledyne in seismic stress analysis of safety related piping are as follows:

- (a) ME 632 "Seismic Analysis of Piping Systems", Bechtel Power Corporation.
- (b) ME 101 "LEAP" - "Linear Elastic Analysis of Pipe", Bechtel Power Corporation.
- (c) PISOL EDS Nuclear Incorporation (not used on Hatch).
- (d) SAPIPE PMB Systems Engineering, Inc. (not used on Hatch).
- (e) TPIPE PMB Systems Engineering, Inc. (not used on Hatch).
- (f) ADLPIPE Teledyne Engineering Services

None of the methods described in item one of the Bulletin were used in any of the above listed computer programs for the seismic analysis of safety related pipe.

Any seismic analysis performed by Southern Company Services, Inc. as a result of piping system additions or modifications to safety related piping was performed using the computer programs PISOL listed above. Analysis performed by General Electric for piping inside the drywell is currently still under review. Preliminary indications are that none of the methods described in item one of the Bulletin were used by General Electric in computer programs for the seismic analysis of safety related pipe.

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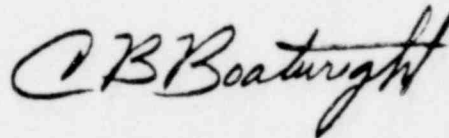
Q. [unclear]

U. S. Nuclear Regulatory Commission
ATTN: Mr. James P. O'Reilly
Page Two
April 25, 1979

2. Not applicable.
3. The computer programs listed above have been verified as follows:
 - (a) ME 632 has been verified using PISOL, PIPESD, and TPIPE.
 - (b) ME 101 has been verified using ME 632, TPIPE, and SUPERPIPE.
 - (c) PISOL has been verified using NUPIPE, PIPESD, ADLPIPE and ME 101.
 - (d) SAPIPE has been verified using PISOL.
 - (e) TPIPE has been verified using PISOL and ME 632.
 - (f) ADLPIPE has been verified using TMRSAP.
4. Not applicable.

As indicated above, the review of computer programs used by General Electric is still under review. The results will be provided as soon as they become available.

Very truly yours,



for R. W. Staffa
Manager, Quality Assurance

JAB/bg

xc: U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555

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