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NED-84-637

December 21, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
SUPPLEMENTAL INFORMATION REGARDING DISCREPANCIES
IN THE ANALYSIS OF THE SEISMIC FLOOR RESPONSE SPECTRA

Gentlemen:

Georgia Power Company (GPC) pursuant to the request of Mr. R. A. Hermann, Acting Licensing Project Manager for Plant Hatch, herein submits the following information to supplement our recent letter (NED-84-622 dated December 14, 1984) concerning discrepancies in the analysis of seismic floor response spectra.

During the Part 10 CFR 21 evaluation of the discrepancies in the analysis of floor response spectra, a review of other engineering calculations was performed. This review indicated that discrepancies may also exist in some cable tray support calculations. These discrepancies involved the tracking of the weights of added cable and the attachment of conduit to existing cable tray supports. Even though this may appear to cause the supports to be overloaded, the current tracking system is overly conservative since cables are assumed to run the entire length of the tray rather than the distance between the entrance and exit points of the cables in the tray. Thus, supports are typically designed to support more weight than they actually support.

At this time, 258 cable tray supports have been analyzed for Unit 1 and 983 supports have been analyzed for Unit 2, and no reportable conditions have been found.

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In addition, to provide further assurance, all supports on Unit 1 have been walked down to determine if any supports have potential problems. Only two supports were identified which were thought to possibly be of concern. Both of these supports have been modified and will be evaluated for reportability in the future.

A load tracking program has been initiated to track increased loads due to both cables and conduits being added to supports. In addition, any supports being designed in the future will be sketched "as-built" and evaluated for all loads. Meanwhile, a program has been instituted to identify supports which have the greatest chance of being overstressed. Once these supports have been evaluated, any findings will be reported per the requirements of 10 CFR 21.

Georgia Power Company believes the above examination of supports provides a representative indication that a sufficiently high confidence level exists to indicate the units are being operated in a proper manner. This confidence level and the load tracking program provides assurance that Georgia Power Company will properly investigate and review this concerns.

Yours very,

William E. Burns /for

L. T. Gucwa

/mb

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