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NED-84-181

March 29, 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 DOCKET 50-366  
OPERATING LICENSE NPF-5  
EDWIN I. HATCH NUCLEAR PLANT UNIT 2  
DESIGN REPORT REVISION - RECIRCULATION AND RHR  
SYSTEMS ANALYSES AND REPAIRS

Gentlemen:

By letter dated June 8, 1983, Georgia Power Company (GPC) submitted information regarding the analyses and repairs of Recirculation System and Residual Heat Removal (RHR) System piping welds which were inspected during the 1983 Hatch Unit 2 maintenance/refueling outage and found to have unacceptable flaw indications. Enclosed as Attachment 1 to that submittal was Revision 0 of NUTECH report no. GPC-07-102, "Design Report for Weld Overlay Repairs and Flaw Evaluations in Recirculation and RHR Systems at E. I. Hatch Nuclear Plant, Unit 2."

Since our submittal of June 8, 1983, NUTECH has revised the design report. Enclosed herein are seven (7) copies of Revision 1 of the subject report. The revised NUTECH report supercedes that submitted as Attachment 1 in our June 8, 1983 submittal. Some of the changes in Revision 1 of the NUTECH design report include:

- o Correction of recirculation system conceptual drawing to add weld numbers inadvertently omitted.
- o Correction of weld listing regarding through-wall depth of crack and extent (length) of cracking.
- o Addition of discussion on end cap replacement.
- o Reassessment of maximum axial shrinkage and maximum calculated stress.

Affected pages are so noted in the "Revision Control Sheet" contained in the revised NUTECH report.

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The overall conclusions of the original report are not changed as a result of these revisions.

Submittal of the revised NUTECH report completes all transmittals regarding weld overlays on Hatch Unit 2.

By copy of this letter, a copy of the revised NUTECH design report is being supplied to NRC Region II for their information.

Should you have any questions in this regard, please contact this office.

Sincerely yours,



L. T. Gucwa

JAE/mb

Enclosures (7)

xc: (all w/l encl.)  
H. C. Nix, Jr.  
J. P. O'Reilly (NRC- Region II)  
Senior Resident Inspector