

Georgia Power Company
333 Piedmont Avenue
Atlanta, Georgia 30308
Telephone 404 525-6526

Mailing Address:
Post Office Box 4545
Atlanta, Georgia 30302

E. T. Gucwa
Chief Nuclear Engineer
Power Generation Department



Georgia Power

the southern electric system

NED-83-265

April 28, 1983

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 50-321
OPERATING LICENSE DPR-57
EDWIN I. HATCH NUCLEAR PLANT UNIT 1
DESIGN REPORT REVISION - RECIRCULATION AND RHR
SYSTEMS ANALYSES AND REPAIRS

Gentlemen:

By letter dated January 27, 1983, Georgia Power Company submitted information regarding the analyses and repairs of Recirculation System and Residual Heat Removal (RHR) System piping welds which were inspected during the 1982 Hatch Unit 1 maintenance/refueling outage and found to have unacceptable flaw indications. Enclosed as Attachment 6 to that submittal was Revision 0 of NUTECH report no. GPC-04-104, "Design Report For Recirculation System and Residual Heat Removal System Weld Overlay Repairs and Flaw Evaluation at E. I. Hatch Nuclear Power Plant, Unit 1."

Since our submittal of January 27, 1983, NUTECH has revised the design report. Enclosed herein are two copies of Revision 1 of the subject NUTECH report. The revised NUTECH report supersedes that submitted as Attachment 6 in our January 27, 1983, letter. Some of the changes in Revision 1 of the NUTECH design report include:

- Re-calculation of fatigue crack growth for the 5-year design life.
- Resolution of third party reviewer comments regarding any sensitization caused by the weld overlay, and the recirculation sweepolet code stress analysis.

8305060051 830428
PDR ADOCK 05000321
P PDR

Aool

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
April 28, 1983
Page Two

- Addition of Section 9.0 which discusses engineering changes to RHR pipe-to-pipe weld overlay. (Note: The engineering changes were discussed in our February 1, 1983 meeting with the NRC staff.)

Typically, changes are noted in the revised NUTECH report by vertical lines in the margins.

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

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

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

Sincerely yours,



L. T. Gucwa

JAE/mb

Enclosures (2)

xc: (all w/ 1 encl.)

J. T. Beckham, Jr.
H. C. Nix, Jr.
J. P. O'Reilly (NRC Region II)
Senior Resident Inspector