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Georgia Power

The Southern Electric System

J. T. Beckham, Jr.
Vice President—Nuclear
Hatch Project

HL-2000
002770

January 21, 1992

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

PLANT HATCH - UNIT 1
NRC DOCKET 50-321
OPERATING LICENSE DPR-57
IGSCC FLAW EVALUATIONS AND WELD OVERLAY DESIGNS
UNIT 1 FALL 1991 MAINTENANCE AND REFUELING OUTAGE

Gentlemen:

During the Fall 1991 Unit 1 maintenance and refueling outage, Georgia Power Company (GPC) inspected intergranular stress corrosion cracking (IGSCC) susceptible welds per our commitments to Generic Letter (GL) 88-01 and NUREG-0313, Revision 2. As a result of these inspections, five welds were repaired. Additionally, a sixth weld overlay was applied to enhance the inspectability of the underlying weld. By letter dated November 8, 1991, GPC transmitted the proposed weld overlay designs for these welds and requested NRC permission to restart Unit 1. The NRC responded by letter on November 14, 1991 stating, "... when the identified welds have been repaired in accordance with the overlay design, restart of the unit may be safely conducted." That letter also stated, "... we expect to receive the final report of the outage related examination activities within 60 days of unit restart."

Enclosed, per your request, is a report detailing the IGSCC examination results, weld overlay design (proposed and as-built) and evaluation of the weld overlay shrinkage stresses. This report addresses each of the six areas noted in your November 14, 1991, letter.

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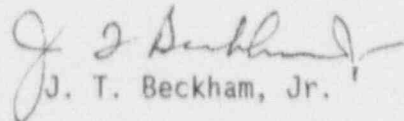
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We believe this satisfies our commitment relative to IGSCC reports for the Unit 1 Fall 1991 outage. A full report of the results of inservice inspection (ISI) activities will be submitted per the Owners Data Report, Form NIS-1. This ISI report will be submitted no later than 90 days after the ISI outage activities were completed. Please contact this office if you have questions.

Sincerely,


J. T. Beckham, Jr.

JKB/cr

Enclosure: "IGSCC Flaw Evaluations and Weld Overlay Repair Activities During the Unit 1 Fall 1991 Outage," SIR-91-077, Revision 2, January 1992

cc: Georgia Power Company
Mr. H. L. Sumner, General Manager - Nuclear Plant
NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.
Mr. K. Jabbour, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II
Mr. S. D. Ebnetter, Regional Administrator
Mr. L. D. Wert, Senior Resident Inspector - Hatch