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the southern electric system

W. G. Hairston, III
Senior Vice President
Nuclear Operations

HL-1158
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June 29, 1990

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 SPRING 1990 CONDENSER RETUBE/REFUELING OUTAGE

Gentlemen:

During the Spring 1990 Unit 1 condenser retube/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, twelve 28-inch welds were found to require repair. By letter dated April 30, 1990, GPC transmitted the proposed weld overlay designs for these welds and requested NRC permission to restart Unit 1. The NRC responded by letter on May 17, 1990 stating, "... when the identified welds have been repaired in accordance with the overlay designs, restart of the unit may be safely conducted. We will, of course, expect to receive the full report of the outage related inspection activities following restart of Unit 1."

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.

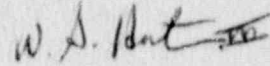
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We believe this satisfies our commitment relative to IGSCC reports for the Unit 1 Spring 1990 outage. A full report of the results of inservice inspection (ISI) activities will be submitted per the Owners Data Report, Form NIS-1. The ISI report will be submitted no later than 90 days after the ISI outage activities were completed (i.e., by August 31, 1990). Please contact this office if you have questions.

Sincerely,



W. G. Hairston, III

GKM/eb

Enclosure: "Flaw Evaluation and Weld Overlay Designs For Plant E. I. Hatch
Unit 1 Spring 1990 Refueling Outage," SIR-90-039, June 1990

c: Georgia Power Company
Mr. H. C. Nix, General Manager - Nuclear Plant
Mr. J. D. Heidt, Manager Engineering and Licensing - Hatch
GO-NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.
Mr. L. P. Crocker, Licensing Project Manager - Hatch

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