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July 25, 1994

Docket Nos. 50-321
50-366

HL-4646

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

Edwin I. Hatch Nuclear Plant
NRC Bulletin 90-01, Supplement 1
Loss of Fill-oil in Transmitters
Manufactured by Rosemount

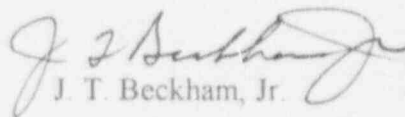
Gentlemen:

By letter dated February 17, 1993, Georgia Power Company (GPC) provided a response to NRC Bulletin 90-01, Supplement 1. The response provided GPC's actions to resolve the loss of the fill-oil issue for Rosemount transmitters manufactured prior to July 11, 1989.

On June 28, 1994, a telephone conference call was held between GPC representatives and the Nuclear Reactor Regulation (NRR) staff to discuss certain actions contained in GPC's response. The NRR staff requested GPC to submit a response to two questions relating to transmitter replacements and actions to maintain a high degree of confidence for detecting transmitter failures caused by a loss of fill-oil. The enclosure provides GPC's response.

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

Sincerely,



J. T. Beckham, Jr.

JKB/cr

Enclosure

cc: (See next page.)

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

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

U.S. Nuclear Regulatory Commission, Washington, D.C.
Mr. S. D. Ebner, Regional Administrator
Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

Enclosure

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NRR Staff Question:

In GPC's response to NRC Bulletin 90-01, Supplement 1, dated February 17, 1993, the response to items 1c and 1d contained a commitment to replace five transmitters on Unit 1 during the Spring 1993 Unit 1 outage. Confirm that these transmitters have been replaced.

GPC Response

Transmitters for 1B21-N088B, 1B21-N090A, 1B21-N090E, 1B21-N122B, and 1B21-N027 were replaced with Rosemount transmitters which have been refurbished with a sensor module manufactured after July 11, 1989 or with transmitters manufactured after July 11, 1989.

NRR Staff Question:

Items 1e and 1g provided for excluding certain transmitters from an enhanced surveillance program. However, a high degree of confidence should be maintained for detecting failure of these transmitters caused by a loss of fill-oil and a high degree of reliability should be maintained for the function consistent with its safety significance. Provide clarification on GPC's methods for determining if installed transmitters are exhibiting a loss of fill-oil.

GPC Response:

GPC uses transmitter calibration and the associated calibration acceptance criteria to provide determination of the transmitter's capability to perform its safety function. The appropriate calibration and surveillance procedures have been revised to include measures to determine if a transmitter is exhibiting a loss of fill-oil. These measures include:

- Confirmation that transmitter performance does not exhibit a sluggish response (i.e., output does not lag input changes).
- Confirmation that as-found data do not reflect a zero or span shift.
- Confirmation that as-found data does not indicate an inability to operate over the entire calibration range.