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January 17, 1995

Docket No. 50-366

HL-4768

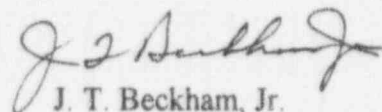
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Edwin I. Hatch Nuclear Plant - Unit 2
Special Report 2-95-001
Drywell High Range Radiation Monitor
Inoperable for Greater than Seven Days

Gentlemen:

In accordance with the requirements of Unit 2 Technical Specifications Section 6.9.2 and Table 3.3.6.4-1, Georgia Power Company is submitting the enclosed Special Report concerning one channel of the Unit 2 drywell high range radiation instrumentation which has been inoperable for longer than seven days.

Sincerely,



J. T. Beckham, Jr.

JKB/et

Enclosure: SR 50-366/1995-001

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

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

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Enclosure

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A. REQUIREMENT FOR REPORT

This report is required per Unit 2 Technical Specifications Table 3.3.6.4-1, item 12, note (b)2. Specifically, item 12 of Table 3.3.6.4-1 requires that two channels of drywell high range radiation instrumentation be operable when the unit is in the run mode. This specification also requires that in the event a drywell high range radiation monitor is inoperable for greater than seven days, a special report is required within 14 days of the event. On 1/10/95 at 1525 EST, one of two monitors had been inoperable for seven days; therefore, this special report is required.

B. UNIT STATUS AT TIME OF EVENT

On 1/10/95 at 1525 EST, Unit 2 was in the Run mode at a power level of 2436 CMWT (100 percent rated thermal power).

C. DESCRIPTION OF EVENT

On 1/10/95 at 1525 EST, seven days had elapsed since drywell high range radiation monitor 2D11-K621B had been declared inoperable. The monitor was first declared inoperable on 1/3/95. Control Room operators performing routine channel checks observed a discrepancy between the "A" and "B" drywell high range radiation instruments monitoring the same parameter. The discrepancy exceeded the procedural limits of 34SV-SUV-019-2S, "Surveillance Checks." A review of the monitors' strip chart recorder traces showed that the "B" monitor had been slowly decreasing in its output over several days. Instrument and Control technicians performed procedure 57SV-CAL-007-2S, "Drywell High Range Radiation Monitor Loop Calibration," and checked the high voltage power supply which powers the radiation detectors. The procedure results were satisfactory, and the high voltage power supply was found to be operating within tolerance. Based on the characteristics of the strip chart traces and the results of the loop calibration and power supply check, it was concluded that the source of the failure was either the radiation detector or its signal cable. These components are located inside the Primary Containment and therefore are not accessible during power operation.

Per the requirements of Unit 2 Technical Specifications Table 3.3.6.4-1, item 12, note (b), a preplanned alternate method of monitoring the same parameter has been implemented. The preplanned alternate method requires the use of the Post-LOCA Gamma Radiation Detectors, 2D11-K622A/B, for monitoring drywell radiation. This alternate methodology is controlled by plant procedure 73EP-EIP-023-0S, "Core Damage Assessment."

D. CAUSE OF EVENT

The event occurred because a component associated with the Drywell High Range Radiation Monitoring System failed. The reasons for the failure cannot be conclusively determined until a primary containment entry is made and the detector and its associated signal cable are examined.

E. CORRECTIVE ACTION

Drywell high range radiation monitor 2D11-K621B will be restored to operable status during the next Unit 2 outage of sufficient duration.