

Georgia Power Company  
333 Piedmont Avenue  
Atlanta, Georgia 30308  
Telephone 404 526-6526

Mailing Address:  
Post Office Box 4545  
Atlanta, Georgia 30302

L. T. Gucwa  
Manager Nuclear Engineering  
and Chief Nuclear Engineer



*the southern electric system*

SL-17  
0036C

November 27, 1985

Director of Nuclear Reactor Regulation  
Attention: Mr. D. Muller, Project Director  
BWR Project Directorate No. 2  
Division of Boiling Water Reactor Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

NRC DOCKET 50-366  
OPERATING LICENSE NPF-5  
EDWIN I. HATCH NUCLEAR PLANT UNIT 2  
STATUS OF ENVIRONMENTAL QUALIFICATION EFFORT  
FOR THE DRYWELL HYDROGEN AND OXYGEN ANALYZERS

Gentlemen:

By letter dated August 16, 1985 (NED-85-523), Georgia Power Company (GPC) informed the NRC of significant problems with the qualification effort for the Primary Containment Hydrogen (H<sub>2</sub>) and Oxygen (O<sub>2</sub>) gas analyzers dedicated for use at Plant Hatch Units 1 and 2. The specific problems noted in that letter had occurred during the Loss of Coolant Accident (LOCA) testing for the heat tracing on the sample input tubing for these analyzers.

Following the date of submittal of letter NED-85-523, the Architect/Engineer (A/E) for Plant Hatch determined that the environmental profiles (temperature/pressure) which the analyzer vendor was using to specify the qualification testing for the heat tracing on the H<sub>2</sub> and O<sub>2</sub> analyzers, were considerably more severe than the conditions which this equipment is expected to experience during design basis events for which its function is required. The A/E then reanalyzed

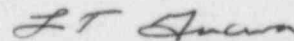
8512090083 851127  
PDR ADOCK 05000366  
P PDR

A 047  
1/10

Director of Nuclear Reactor Regulation  
Attention: Mr. D. Muller, Project Director  
BWR Project Directorate No. 2  
November 27, 1985  
Page Two

the portions of the testing program which had been successfully completed and subsequently made a determination that the Hatch Unit 2 equipment, which is located in a mild environment, would remain operable during and for at least 180 days following any such event and is qualified for its intended use at Plant Hatch as required by 10 CFR 50.49.

Sincerely yours,



L. T. Gucwa

CBS/lc

c: Mr. J. T. Beckham, Jr.  
Mr. H. C. Nix, Jr.  
Dr. J. N. Grace (NRC-Region II)  
Senior Resident Inspector  
GO-NORMS