

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



NED 84-047

February 3, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
NUREG-0737 ITEM II.F.1(6), CONTAINMENT HYDROGEN MONITOR

Gentlemen:

Our submittal dated April 19, 1983 provided information for the post-implementation review of the subject NUREG-0737 item. Recent discussions with Mr. George Rivenbark, Hatch Licensing Project Manager, have indicated the need to clarify a point which was made in that submittal.

The point in question is the time at which hydrogen monitoring is initiated. Item II.F.1(6) requires that continuous indication and recording of containment hydrogen concentration be functioning within 30 minutes of the initiation of safety injection. The intent of this requirement, as interpreted by GPC, is to ensure timely hydrogen monitoring in the event of core uncover during a loss of coolant accident (LOCA). In the above referenced submittal it was proposed that the onset of a LOCA be used as the criterion for the need for hydrogen monitoring. This was considered a more appropriate criterion because of the potential cases of safety injection in a BWR (e.g. High Pressure Coolant Injection) which would not be indicative of a LOCA. In the course of developing Technical Specifications for containment hydrogen monitoring, however, we were unable to define the onset of a LOCA in a manner which would ensure hydrogen monitoring within 30 minutes of the entire spectrum of breaks. It is for this reason that ECCS actuation during a LOCA was specified as the starting point for the 30 minute response time in our December 21, 1983 Technical Specification submittal. This strategy envelops all breaks which could lead to the need for hydrogen monitoring.

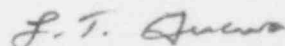
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Page Two

We trust that this information clarifies the apparent discrepancy between our April 19, 1983 and December 21, 1983 submittals. Please contact this office if there are any questions.

Very truly yours,



L.T. Gucwa

JH/mw

xc: J.T. Beckham, Jr.
H.C. Nix, Jr.
P.D. Rice
J.P. O'Reilly (NRC-Region II)
Senior Resident Inspector