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NED-84-388

July 24, 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 DOCKET 50-366  
OPERATING LICENSE NPF-5  
EDWIN I. HATCH NUCLEAR PLANT UNIT 2  
REVISION OF EQUIPMENT QUALIFICATION PROGRAM DEADLINE  
EXTENSION REQUEST FOR RHR ISOLATION VALVE ACTUATORS

Gentlemen:

Georgia Power Company (GPC) has diligently applied material and manpower resources in order to meet the 10 CFR 50.49 requirement to complete the Plant Hatch Unit 2 equipment qualification program during the current refueling outage. Although we have been able to complete almost all of the Unit 2 program, unforeseen problems with seismic qualification have resulted in our inability to meet the outage based deadline (start-up following the second refueling outage after March 31, 1982) for a few equipment items.

By letter dated July 12, 1984 (NED-84-334), GPC requested an extension of the 10 CFR 50.49(g) environmental qualification deadline to March 31, 1985, for the motorized actuators on Plant Hatch Unit 2 RHR isolation valves 2E11-F016A&B. We now wish to further extend this deadline until the startup date following the next Unit 2 refueling outage (currently estimated to begin in May, 1985), since replacement of these valves and actuators will require a cold shutdown condition.

Since the July 12, 1984 submittal, GPC has additionally discovered that the new smaller motorized actuators procured for the 2E11-F021A&B valves may not be delivered to Plant Hatch in time for installation during this outage. The location of these valves also dictates that a cold shutdown condition be entered before the work can be performed. Therefore, GPC requests that the 10 CFR 50.49 environmental qualification deadline for Plant Hatch Unit 2 valves 2E11-F021A&B also be extended to the startup date following the next Unit 2 refueling outage.

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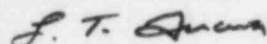
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GPC originally purchased environmentally qualified motorized actuators for the four subject valves. During the process of reanalyzing seismic qualification, GPC discovered that the new actuators were too large to meet the seismic specifications. This problem was discussed during the Plant Hatch qualification program meeting between GPC and the NRC staff on February 14, 1984 in Bethesda, Maryland. Our letters dated March 30, 1984 (NED-84-161) and April 3, 1984 (NED-84-076) documented these problems and served as the notification required by 10 CFR 50.49(h). GPC has attempted to resolve the seismic problems with these four valve/actuator assemblies using refined analysis techniques since February 22, 1984, when the Walworth Company (Aloyco Division) issued a report which described these problems. This approach was successful with three other such assemblies at Plant Hatch and until June of this year, GPC had confidence that it would succeed using these techniques with the four subject equipment items. After extensive effort, it was determined that these analyses could not bring the equipment within the seismic envelope. Therefore, GPC attempted procurement of lighter weight actuators which would still meet environmental qualification as well as other requirements. GPC subsequently determined that replacement of the 2E11-F016A&B globe valves would be required in order to meet all requirements and specifications for those applications. A purchase order for these new valves was issued to the Anchor/Darling Valve Company on July 19, 1984. Due to the difference in valve type, GPC was able to locate smaller actuators which meet both the environmental qualification and seismic specifications for the 2E11-F021A&B applications. GPC had previously made plans to install these smaller actuators during the current outage. However, we now have reason to believe that these actuators may not be delivered to Plant Hatch in time for installation during this outage.

The only other Hatch-2 equipment items that will not be fully qualified by the regulatory deadline are the hydrogen and oxygen analyzers. A deadline extension request for those devices was submitted on July 17, 1984 (NED-84-383).

Sincerely yours,



L. T. Gicwa

CBS/

xc: H. C. Nix, Jr.  
J. P. O'Reilly (NRC- Region II)  
Senior Resident Inspector