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HL-1660
001704

May 24, 1991

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

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
REVISED PAGE FOR LETTER HL-1659
TEMPORARY RELIEF FROM ASME SECTION XI REQUIREMENTS

Gentlemen:

Enclosed is a revised page for letter HL-1659, "Request for Additional Information - Temporary Relief from ASME Section XI Requirements," dated May 24, 1991. The last sentence on page E-2 was deleted.

Please contact this office if you have any questions.

Sincerely,

W. G. Hairston, III
W. G. Hairston, III

GKM/cr

Enclosure

cc: (See next page.)

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U.S. Nuclear Regulatory Commission

May 24, 1991

Page Two

cc: Georgia Power Company

Mr. H. L. Sumner, General Manager - Nuclear Plant

Mr. J. D. Heidt, Manager Engineering and Licensing - Hatch
NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.

Mr. K. Jabbour, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II

Mr. S. D. Ebnetter, Regional Administrator

Mr. L. D. Wert, Senior Resident Inspector - Hatch

ENCLOSURE (Cont'd)

REQUEST FOR ADDITIONAL INFORMATION
TEMPORARY RELIEF FROM ASME SECTION XI REQUIREMENTS

GPC Response:

GPC will commit to the augmented monitoring actions proposed below as they relate to the drywell cooling system and until the cooler leaks are repaired.

As stated in our May 21, 1991 submittal, GPC already closely monitors drywell leakage in the floor and equipment drain sump. Plant Hatch Unit 2 Technical Specifications limit reactor coolant system (RCS) unidentified boundary leakage to 5 gpm total or a 2 gpm increase. (Unidentified leakage has averaged less than 2 gpm over the last couple of cycles.) Technical Specifications also require total RCS leakage (identified plus unidentified) to be less than 25 gpm. Because of these stringent limits, a sudden increase in drywell leakage would normally be investigated to determine where the leak is occurring.

Makeup for the drywell cooling system is provided by an expansion tank in the reactor building which is refilled with demineralized water automatically. The expansion tank also serves the chilled water system in the reactor building. Nitrite is added to the system as a corrosion inhibitor, and the nitrite level is chemically analyzed weekly.

Based on the above, GPC will commit to monitor any sudden increase in unidentified drywell leakage of more than 1 gpm over a 24-hour period. This monitoring will commence once the unit achieves a steady-state operating condition. If this increase occurs, we will chemically monitor the nitrite concentration in the drywell cooling system to determine if the leakage is from the drywell coolers. A leakage in the chilled water system of 1 gpm should be readily detectable by the chemical analysis.

NRC Comment:

Provide the basis for the Appendix J allowable leakage criteria of 360 accm.

GPC Response:

Penetration leakage limits are based on valve type, valve size, number of valves tested in parallel paths, and historical leakage data. The allowable leakage for these penetrations is 1800 standard cubic centimeters per minute (sccm) air based on 150 sccm/in of valve diameter. When equated to actual ccm (accm), the acceptable leakage for this penetration is 360 accm. As reported in our May 21, 1991 submittal, the actual leakage was 76 accm. GPC has also completed the Appendix J local leak tests (LLRTs) for the current Unit 2 outage. An integrated (Type A) test was not performed. The as-left leakage for Type B and C tests is approximately one-third of the allowable $0.6 L_a$.