



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 124 AND 62 TO FACILITY  
OPERATING LICENSE NOS. DPR-57 AND NPF-5

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA

EDWIN I. HATCH NUCLEAR PLANT, UNITS NOS. 1 AND 2

DOCKET NOS. 50-321 AND 50-366

1.0 INTRODUCTION AND EVALUATION

On December 21, 1983, Georgia Power Company (licensee) requested changes to the Hatch Unit 1 and Unit 2 Technical Specifications (TSs) for the Hydrogen and Oxygen Post-Accident Monitors. This request, related to TMI Item II.F.1.1, was supplemented by the licensee on April 16, 1984. These requested changes are discussed below:

- A. The licensee requested that the range of the Hydrogen and Oxygen Analyzer listed in Table 3.2-11 of the Unit 1 TSs be changed from 0 to 52 to 0 to 5%. The licensee provided the following basis: "This change is purely administrative in that it corrects a typographical error inserted into the Technical Specifications by Amendment No. 79. This change would have no effect on existing accident probabilities or consequences, would not create any new type of accident scenario, and would not decrease the margin of safety." We agree with the licensee and conclude that this change is acceptable.
- B. The licensee has requested that TS Table 3.2.11 note (c) be deleted from the Action column for the Hydrogen and Oxygen Analyzer listed as item 11 in this table. This note allowed operation for 30 days whenever a parameter (hydrogen or oxygen in this case) is reduced to one indication. It allows operation for seven days if one of the parameters is not indicated in the control room if surveillance at local panels is substituted for the missing control room indication during the seven days. TS 3.7.A.6c provides a redundant and more restrictive requirement for operability of the Hydrogen and Oxygen Analyzer in that it requires at least one Hydrogen and Oxygen Analyzer to be operable whenever the reactor is in power operation and TS 3.7.A.8 requires the plant to be brought to hot shutdown within 12 hours if TS 3.7.A.6.c cannot be met.

Since TS 3.7.A.6c and TS 3.7.A.8 are more restrictive on the operation of the Hydrogen and Oxygen Analyzer than is note (c), removal of note (c) as a requirement for the Hydrogen and Oxygen Analyzer is acceptable.

- C. The licensee requested that a new note be added to TS Table 3.2-11 and made applicable to the Hydrogen and Oxygen Analyzer. This note would require that the Hydrogen and Oxygen Analyzer be operable with continuous sampling capability within 30 minutes of an ECCS actuation during a LOCA. This requirement is consistent with the requirements of NUREG-0737 "Clarification of TMI Action Plant Requirements", Item II.F.1.6 and is acceptable. We have designated this new note as note (i).
- D. The licensee requested that the instrument check minimum frequency as listed in Table 4.2-11 of the Unit 1 TS be changed from "Each Shift" to "Monthly." The licensee provided the following basis: "This change would decrease the frequency of Instrument Checks. However, operating experience has shown that frequent operation of the H<sub>2</sub> and O<sub>2</sub> analyzers tends to lower the reliability of that equipment. Furthermore, the vendor for these analyzers has recommended the monthly instrument check frequency as being optimal for maintaining maximum equipment operability." We note that the present STS suggest a monthly frequency. We conclude that this request is acceptable.
- E. The licensee requested that the instrument calibration minimum frequency for the H<sub>2</sub> and O<sub>2</sub> analyzer as listed in Table 3.2-11 of the Unit 1 TS be changed from "Every 6 months" to "Every 3 months." The licensee provided the following basis: "This change constitutes a more restrictive operational limitation. The new calibration interval is consistent with the vendor's recommendations for these analyzers. The probability of a postulated accident occurring and the effects resulting from any such accident are unchanged. The Technical Specification changes create no new accident scenario, and increase the margin of safety." The staff notes that the minimum frequency recommended in the STS is once each refueling. The Generic Letter recommended once each 92 days. The staff has concluded that the licensee has provided a sound technical basis for the request and that the basis is as conservative or more conservative than past staff guidance. Therefore, we conclude that this change is acceptable.

## 2.0 ENVIRONMENTAL CONSIDERATION

The amendments involve changes in a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. We have determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environment impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 3.0 CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: March 26, 1986

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