



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 7 TO FACILITY OPERATING LICENSE NPF-68
GEORGIA POWER COMPANY, ET AL
DOCKET NO. 50-424
VOGTLE ELECTRIC GENERATING PLANT, UNIT 1

1.0 INTRODUCTION

By letter dated February 4, 1988 Georgia Power Company, et al., the licensee, submitted a request for a change of Technical Specification (TS) 3.6.2.2 "Spray Additive System," which defines the upper and lower volume limits of the sodium hydroxide solution in the containment spray additive tank. The proposed change alters the percentage of level span corresponding to the lower limit from 87.7 percent to 89.9 percent and that corresponding to the upper limit from 97.4 percent to 97.2 percent. Also, the bases for TS 3.6.2.2 are revised to specify the limiting volumes of sodium hydroxide delivered to the containment spray pumps in gallons rather than in the percentages of level span of the spray additive tank.

2.0 EVALUATION

A review of TS 3.6.2.2 by the licensee has revealed that the limiting volumes of sodium hydroxide delivered to the containment spray pumps expressed in gallons do not correspond to the contained volumes expressed in percentages of the span of the containment spray additive tank. The requested amendment corrects this discrepancy. The change of the lower limit for the contained volume is in a conservative direction, increasing percentage of span from 87.7 to 89.9 percent. However, this change has only an insignificant effect on the pH of sump water which results from injecting the sodium hydroxide solution and operation of the system with the currently specified limits still assures pH equal to or greater than the specified minimum value of 8.5.

The change of the basis for TS 3.6.2.2 specifies the limiting volumes of the sodium hydroxide solution delivered to the spray pumps in gallons rather than in percentages of the level span of the additive tank. This change makes it clear that the bottom unusable portion of the tank is not included in the limiting volumes of the solution delivered to the spray pumps.

The NRC staff has reviewed the licensee's analysis and made its own independent evaluation which confirmed the results of the licensee's analysis.

On the basis of its evaluation the NRC staff finds that the proposed amendment of Technical Specification 3.6.2.2 corrects an inaccuracy which existed in the current specifications. The correction is in a conservative direction. The NRC staff concludes, therefore, that the proposed change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.32 the Commission has determined that issuing the amendment will have no significant impact on the environment (53 FR 25554).

4.0 CONCLUSION

The Commission issued a Notice of Consideration of Issuance of Amendment to Facility Operating License and Opportunity for Hearing which was published in the Federal Register (53 FR 10959) on April 4, 1988. The Commission consulted with the state of Georgia. No public comments were received, and the state of Georgia did not have any comments.

The staff has 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: August 2, 1988