



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 28 TO FACILITY OPERATING LICENSE NPF-12

SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY  
VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1

I. INTRODUCTION

By letter dated July 22, 1983, South Carolina Electric and Gas Company (the licensee) requested a change to Technical Specifications to correct time constants in the overpower  $\Delta T$  and overtemperature  $\Delta T$  equations. The change also deletes unnecessary portions of those two equations involving multiplication by a factor of one and the addition of zero. The remaining variables will then be renumbered for administrative purposes.

II. EVALUATION

The licensee states that Westinghouse Electric Corporation reviewed the applicable safety analysis and confirmed that the correct value for both time constants Tau 1 and Tau 2 is zero. Technical Specifications list the values for Tau 1 and Tau 2 as 8 and 3 seconds, respectively. The NRC staff finds this change to correct Technical Specifications acceptable. Deleting the portions of these two equations which involve multiplying by one or adding zero has no effect on the equations and is, therefore, acceptable. Renumbering the remaining variables, also, has no effect on the equations and is acceptable. Therefore, the staff concludes that the requested amendment is acceptable.

III. ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

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IV. CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (49 FR 25373) on June 20, 1984, and consulted with the state of South Carolina. No public comments were received, and the state of South Carolina did not have any comments.

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 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: October 12, 1984

October 12, 1984

AMENDMENT NO. 28 TO FACILITY OPERATING LICENSE NO. NPF-12 - Virgil C. Summer Unit 1

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