



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. NPF-12  
SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY  
VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1  
DOCKET NO. 50-395

INTRODUCTION

By letter dated January 20, 1987, South Carolina Electric and Gas Company (the licensee) requested a change to the Virgil C. Summer Nuclear Station Reactor Building Cooling System Technical Specification Surveillance Requirement 4.6.2.3.b.2. The proposed change would lower the minimum flow rate to the Reactor Building Cooling Unit (RBCU). The basis for the change is the modification of the RBCU service water outlet valves (XVG-3109 A, B, C, and D) from non-active to active motor-operated valves, with automatic controls to open the valves on the selected post-accident RBCU and close the valves on the non-selected RBCU. This system modification is fully described in the January 20, 1987 application, as supplemented February 24, 1987. The supplemental letter provided additional information that did not change the requested amendment; therefore, this application was not renoticed in the Federal Register.

EVALUATION

The Reactor Building Cooling System is designed to have only RBCU and its associated fan, in each train, in service during a Design Basis Accident (DBA). Since the existing RBCU service water outlet valves are not assumed to be capable of operation following an accident, the service water flows through both the operating and non-operating RBCU. Thus, the present Technical Specification flow requirement is for 200% (4000 gpm) of the required cooling water flow in order to assure that the operating RBCU has sufficient cooling water during an accident situation. The modification will upgrade the RBCU service water outlet valves to environmentally qualified Class IE motor operated valves, with the automatic operation described above. Since these valves are being upgraded to be capable of operation following an accident, there is no need to assure that there is a 200% service water flow to each RBCU.

Based on the foregoing discussion, the staff finds the modification to the RBCU service water outlet valves and the prescribed change to the Virgil C. Summer Technical Specification Surveillance Requirement 4.6.2.3.b.2, to be consistent with the guidelines of Standard Review Plan Sections 6.2.2 and 9.2.1 and is, therefore, acceptable.

### ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation of a facility component located within the restricted area as defined in 10 CFR Part 20 and a change to a surveillance requirement. 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 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.

### CONCLUSION

The Commission made a proposed determination that this amendment involves no significant hazards consideration, which was published in a February 26, 1987 Federal Register Notice (52 FR 5869) 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: April 13, 1988

TECHNICAL SPECIFICATION AMENDMENT FOR THE V. C. SUMMER NUCLEAR STATION

Docket No. 50-395

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