



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 45 TO FACILITY

OPERATING LICENSE NO. DPR-23

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DOCKET NO. 50-261

Introduction

By letters of March 6 and March 15, 1979, Carolina Power and Light Company (the licensee) requested changes to the Technical Specifications to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant, Unit No. 2. The proposed Technical Specifications would change the limiting conditions for operation and the surveillance requirements for the spent fuel building filter system and the containment purge filter system and add requirements for the control room filter system.

Discussion and Evaluation

The proposed changes to the Technical Specifications submitted by the licensee at our request assure that the assumptions used by the NRC staff for the control room dose analysis are appropriate.

Technical Specification 3.15 would require the control room filter system to be operable during all modes of reactor operation, except cold shut-down, to ensure that the control room will remain habitable during an accidental atmospheric radioactivity release. Technical Specification 4.15 would specify the surveillance requirements to verify that the control room filter system is operable and would provide the degree of protection assumed in the Safety Analysis on habitability of control room during postulated accidents. Technical Specification 4.15 also would require the verification of system response upon a containment isolation signal such that the system switches automatically into a recirculation mode of operation with flow through the HEPA filters and charcoal adsorber banks. The proposed control room filter system Technical Specifications are determined to be acceptable to satisfy the staff's concern on the operability and surveillance requirements necessary to support the staff's assumptions used to analyze control room habitability during postulated accidents.

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The licensee has also proposed to modify Technical Specification 3.8.2.b to require the laboratory analysis of carbon samples of the spent fuel building filter system and the containment purge filter system be performed in accordance with the test method of 5.b of Table 5-1 of ANSI/ASME N509-1976 with the exception that the relative humidity of air be required to be >70 . The requirement of the relative humidity would not be changed from the existing Technical Specifications. To require the test to be in accordance with the ANSI/ASME standard is acceptable for the demonstration of methyl iodide removal efficiency to be equal or greater than 90 percent. We conclude that these changes are acceptable.

Environmental Considerations

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact, and pursuant to 10 CFR 51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the consideration discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: December 5, 1979