



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING  
SUPPORTING AMENDMENT NO. 10 TO FACILITY LICENSE NO. DPR-3  
(CHANGE NO. 115 TO THE TECHNICAL SPECIFICATIONS)

YANKEE ATOMIC ELECTRIC COMPANY

YANKEE-ROWE ATOMIC POWER PLANT

DOCKET NO. 50-29

Introduction

By letters dated May 13, 1974, September 5, 1974, and October 4, 1974, Yankee Atomic Electric Company requested changes to the Technical Specifications appended to Facility Operating License No. DPR-3 for Yankee Rowe Nuclear Power Station. The proposed change involves the addition of limiting conditions for operation (LCO) and the surveillance requirements for the new diverse emergency core coolant injection actuation channels.

Discussion

By letters dated September 14, 1973, and supplemented by letters dated January 16 and 31, 1974, Yankee Atomic Electric Company (licensee) proposed the installation of an additional signal source to provide a diversity of signals for actuating the Yankee Rowe Emergency Core Cooling System (ECCS). The proposed signal consisted of two separate containment pressure sensing channels which would be combined in a one-out-of-two logic to actuate the ECCS should the containment pressure reach 5 psig.

These pressure channels were installed and put into operation during the May 1974 refueling outage. The setpoint for the new channels is presently at 5 psig.

Our letter of March 5, 1974, approved the installation of this equipment and concluded that it was in conformance with IEE Standard 279. We also requested, at that time, that the licensee submit appropriate limiting conditions for operation and surveillance requirements for the Yankee Rowe Technical Specifications. By letter dated May 13, 1974, supplemented by letters dated September 5, 1974, and October 4, 1974, the licensee furnished the proposed technical specifications as requested.

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### Evaluation

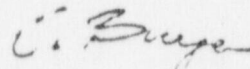
The establishment of 5 psig setpoint as the LCO for the containment overpressure signal was reviewed and approved by the staff in conjunction with our approval of the installation (our letter of March 5, 1974).

The proposed surveillance requirements include the following: (1) A channel check each shift, (2) A monthly operational check of the two containment air pressure switches, and (3) A channel calibration and a channel functional test at each refueling. We find this acceptable.

This change, which administratively incorporates the LCO and surveillance requirements for the new system in the Yankee Rowe Technical Specifications, will not increase the probability or consequence of an accident and will not decrease any margin of safety.

### Conclusion

We have concluded based on the reasons discussed above that the authorization of this change does not involve a significant hazards consideration. We also conclude that there is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that 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.



Alfred Burger  
Operating Reactors Branch #1  
Directorate of Licensing



Robert A. Purple, Chief  
Operating Reactors Branch #1  
Directorate of Licensing

Date: November 27, 1974