

# YANKEE ATOMIC ELECTRIC COMPANY



1671 Worcester Road, Framingham, Massachusetts 01701

FYR 82-101

October 15, 1982

United States Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Office of Nuclear Reactor Regulation

References: (a) License No DPR-3 (Docket No. 50-29)  
(b) YAEC Letter to USNRC, dated March 26, 1981 (FYR 81-52)  
(c) YAEC Letter to USNRC dated September 28, 1982 (FYR 82-95)  
(d) YAEC Letter to USNRC dated September 30, 1982 (FYR 82-96)

Subject: Core XVI Refueling - Cycle Dependent Parameters

Dear Sir:

Persuant to Section 50.59 of the Commission's Rules and Regulations, the Yankee Atomic Electric Company hereby requests the authorization to make the following changes.

## PROPOSED CHANGE

Reference is made to the Technical Specifications and the "Yankee Nuclear Power Station Core XV Performance Analysis 11 [(Reference (b))] of License No. DPR-3.

1. We propose to refuel the reactor for Core XVI operation by replacing 40 fuel assemblies.
2. We propose to modify the Technical Specifications for the reasons described below.

## REASON AND BASIS FOR CHANGE

Technical Specification changes are necessary to insert cycle dependent parameters in support of Core XVI operation. The proposed Technical Specification changes are given in the Attachment. Reference (c) provides the Core Performance Analysis Report (YAEC-1325) in support of Core XVI operation. This report addresses the mechanical design, thermal hydraulic design, physics and safety analysis aspects of the refueling.

## SAFETY CONSIDERATION

Based on the consideration contained herein, it is concluded that there is reasonable assurance that operation of the Yankee Plant consistent with the proposed Technical Specifications will not endanger the health and safety of

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the public. This proposed change has been reviewed by the Nuclear Safety Audit and Review Committee.

FEE DETERMINATION

These proposed changes are part of a package of changes being made during this outage. Because these changes require an approval that involves several safety issues and are deemed not to involve a significant hazard consideration, Yankee Atomic Electric Company has proposed these changes as a Class IV Amendment, for which a payment of \$12,300 has been made in Reference (d).

SCHEDULE OF CHANGE

These changes to the Yankee Technical Specifications will be implemented upon Commission approval. A timely review and approval of this submittal consistent with our schedule for Core XVI startup would be appreciated.

We trust that you will find this submittal satisfactory; however, should you desire additional information, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

L. H. Heider  
Vice President/Manager of Operations

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COMMONWEALTH OF MASSACHUSETTS)  
  )ss  
MIDDLESEX COUNTY                                    )

Then personally appeared before me, L. H. Heider, who, being duly sworn, did state that he is Vice President and Manager of Operations of Yankee Atomic Electric Company, that he is duly authorized to execute and file the foregoing request in the name and on the behalf of Yankee Atomic Electric Company and that the statements therein are true to the best of his knowledge and belief.

Robert H. Groce                                    Notary Public  
My Commission Expires September 14, 1984

