

YANKEE ATOMIC ELECTRIC COMPANY



20 TURNPIKE ROAD, WESTBORO, MASSACHUSETTS 01581
TELEPHONE 617 366-9011

October 12, 1972

Regulatory File Cy.

United States Atomic Energy Commission
Washington, D. C. 20545

Attention: Directorate of Licensing

Reference: License No. DPR-3 (Docket No. 50-29)

Dear Sirs:



Pursuant to Section 50-59 of the Commission's Regulations, Yankee Atomic Electric Company hereby requests to make the following change:

PROPOSED CHANGE: Reference is made to Section 101 of the license application Safety Analysis, particularly page 101:18B and to Change No. 97. We propose the following:

"Remove four removable Zircaloy clad fuel rods from a Zircaloy clad fuel assembly and replace them with four new Zircaloy clad 3.5 w/o enrichment fuel rods."

Reason for Change: As a continuing part of Yankee's program of fuel performance evaluation and because of the industry's concern with Zircaloy clad fuel and the recent problems of fuel densification and clad collapse, Yankee proposes to remove and replace four Zircaloy clad fuel rods from a Zircaloy clad fuel assembly. Following removal of the fuel rods, a detailed inspection program will be conducted.

Nuclear performance calculations on power distribution and power peaking as well as a review of Core X transients and accidents have been completed relative to the replacement of four fuel rods in a fuel assembly. The results of these evaluations are that the replacement of four fuel rods in one assembly has no measurable effect on power distribution, peaking, transients or accidents.

Safety Consideration: In our opinion, the proposed change does not present significant hazard considerations not described or implicit in the license application as amended.



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United States Atomic Energy Commission
Attn: Directorate of Licensing

Proposed Change No. 102
October 12, 1972

Schedule of Change: The plant is scheduled to be shutdown October 20, 1972 to replace control rods. During this outage, provided approval is granted, the fuel rods replacement described herein will be performed.

Respectfully submitted,

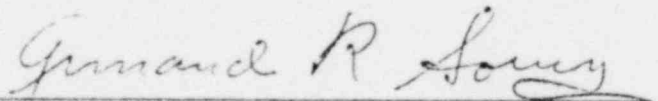
YANKEE ATOMIC ELECTRIC COMPANY



L. E. Minnick
Vice President

COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF WORCESTER)

Then personally appeared before me, Lawrence E. Minnick, who, being duly sworn did state that he is a Vice President 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.


Armand R. Soucy Notary Public
My Commission Expires September 9, 1977

POOR ORIGINAL

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 5623

FILE

FROM: Yankee Atomic Electric Co. Westboro, Mass. 01581 L.I. Minick	DATE OF DOC: 10-12-72	DATE REC'D 10-16-72	LTR X	MEMO	RPT	OTHER
T	ORIG	CC	OTHER	SENT AEC PDR <input checked="" type="checkbox"/>		
DRL	3 signed	37		SENT LOCAL PDR		
CLASS: <u>U</u> PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:			
	X	40	50-29			

DESCRIPTION: Ltr notarized 10-12-72 requesting Proposed Change No. 102 to Tech Specs pursuant to Sec. 50.59.....

ENCLOSURES:

ACKNOWLEDGED
DO NOT REMOVE

PLANT NAMES: YAEC

FOR ACTION/INFORMATION

DL 10-17-72

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S. TEETS ON 10-17-72		