

## YANKEE ATOMIC ELECTRIC COMPANY



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

October 17, 1972

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

Attention: Directorate of Licensing

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

Dear Sirs:

Yankee Atomic Electric Company Proposed Change No. 100 submitted on May 16, 1972 and approved by the AEC on May 18, 1972 allowed operation of the Yankee reactor at reduced output, increased surveillance and operating restrictions, and a reduced main coolant temperature until the present control rods were replaced. The plant is scheduled to shutdown on Friday, October 20, 1972 for the replacement of 22 control rods. The two hafnium control rods installed during the refueling outage in the Spring of 1972 will be inspected and reused if found acceptable.

Therefore, this letter is written requesting that the AEC abrogate Proposed Change No. 100 and allow the plant to operate in the mode outlined in Change 97 approved by the AEC on April 14, 1972 with the following surveillance program:

A. Start-up Following Replacement

1. Cold Each rod shall be exercised from 0" to 90" and 90" to 0". Then one drop time shall be measured for each control rod.
2. Hot Each rod shall be exercised from 0" to 90" and 90" to 0". Then three (3) drop times shall be measured for each control rod.

B. Exercise - The normal control rod exercise program shall be continued.

C. Control Rod Drops The plant shall be taken off the line and control rod drop times measured as follows:

- 1) The first weekend after three (3) weeks of operation.
- 2) Then the first weekend after five (5) additional weeks of operation.



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- (3) Then the first weekend after seven (7) additional weeks of operation.

Should a reactor shutdown occur within five (5) days prior to or if a reactor shutdown is scheduled within five (5) days after the specified weekend for control rod surveillance testing, drop times measured during the outage shall satisfy control rod surveillance test requirements for that period.

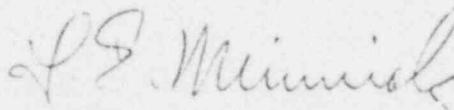
- (4) Thereafter, surveillance testing shall be performed each 12 weeks. If a reactor shutdown occurs within this period a surveillance test may be performed during the shutdown. If so, a new 12 week period shall commence.

The data shall be analyzed and reviewed for changes and/or trends. Results of all surveillance tests shall be forwarded to the AEC. To meet limiting conditions for operation, the reactor shall not be restarted without AEC approval, if the drop time of any control rod exceeds 2.40 seconds.

We trust that you will find this program of plant operation acceptable; however, should you desire additional information, feel free to contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



L. E. Minnick  
Vice President

GCA/pmk

POOR ORIGINAL

|  |                          |                        |                     |                                |     |       |
|--|--------------------------|------------------------|---------------------|--------------------------------|-----|-------|
| FROM: Yankee Atomic Elec. Co.<br>Westboro, Mass. 01581<br>L.E. Minnick | DATE OF LOC:<br>10-17-72 | DATE REC'D<br>10-24-72 | LTR<br>X            | MEMO                           | RPT | OTHER |
| TO:  | ORIG<br>1 signed         | CC<br>39               | OTHER               | SENT AEC PDR<br>SENT LOCAL PDR |     |       |
| DRL<br>CLASS: <b>U</b> PROP INFO                                       | INPUT<br>XXX             | NO CYS REC'D<br>40     | DOCKET NO:<br>50-29 |                                |     |       |

DESCRIPTION: Ltr re YAEC Proposed Change No. 100.....req AEC abrogate Proposed Change No. 100 & allow plant to operate in the mode outlined in Proposed Change No. 97.....

ENCLOSURES:

**ACKNOWLEDGED**  
**DO NOT REMOVE**

PLANT NAMES: YAEC

FOR ACTION/INFORMATION DL 10-24-72

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