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

January 17, 1973

Docket No. 50-288

DO NOT REMOVE

The Reed Institute
Reed College
ATTN: Mr. L. B. Church
Director
Portland, Oregon 97202

Change No. 4
License No. R-112

Gentlemen:

By letter dated December 12, 1973, you submitted an application for a change in the Technical Specifications appended to License No. R-112 for your TRIGA reactor. The proposed change would modify the inspection requirements of fuel elements.

The Reed reactor is a low use facility having no pulsing capability and averaging less than 8 hours of operating time per week at a maximum power level of 250 kW. The reactor is fueled with both aluminum and stainless steel clad fuel-moderator elements. Fuel elements of this type routinely opera' at much higher power densities under more demanding operating conditions without cladding damage.

We have reviewed the analysis presented in your letter and agree that the risks associated with the yearly inspection outweigh the potential possibility of visual observation of clad deterioration. We conclude that the proposed change to the Technical Specifications does not involve a significant hazards consideration and that there is reasonable assurance that the health and safety of th. public will not be endangered.

Accordingly, pursuant to 10 CFR Part 50, Section 50.59, the Technical Specifications to License No. R-112 are changed as shown in the Attachment to this letter.

Sincerely,

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Enclosure:
Attachment A - Change No. 4 to
the Technical Specifications

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ATTACHMENT A

CHANGE NO. 4 TO THE TECHNICAL SPECIFICATIONS

THE REED INSTITUTE

DOCKET NO. 50-288

Change Section E.3 to read as follows:

"3. Each standard fuel element shall be visually inspected at least once every five years. At least 1/5 of all the fuel elements of the core shall be inspected at yearly intervals. If indication of apparent deterioration or distortion is found, the fuel element(s) shall be removed from the core."