

December 11, 1995

Dr. Gerald E. Tripard, Director  
Nuclear Radiation Center  
Washington State University  
Pullman, Washington 99164

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (TAC NO. M79607)

Dear Dr. Tripard:

We are continuing our review of your proposed revision to the Technical Specifications for Facility Operating License No. R-76 for the Washington State University TRIGA Research Reactor which you submitted on September 25, 1995. During our review of this proposed revision, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed Request for Additional Information within 30 days of the date of this letter. Following receipt of the additional information, we will continue our evaluation of your amendment request. If you have any questions regarding this review, please contact Warren Eresian at (301) 415-1833.

In accordance with 10 CFR 50.30(b), your response must be executed in a signed original under oath or affirmation.

This requirement affects nine or fewer respondents and, therefore, is not subject to Office of Management and Budget review under P. L. 96-511.

Sincerely,

Original signed by:

Marvin M. Mendonca, Senior Project Manager  
Non-Power Reactors and Decommissioning  
Project Directorate  
Division of Reactor Program Management  
Office of Nuclear Reactor Regulation

Docket No. 50-27

Enclosure:  
As stated

cc w/enclosure:  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in black ink, appearing to read "Marvin M. Mendonca".

Marvin M. Mendonca, Senior Project Manager  
Non-Power Reactors and Decommissioning  
Project Directorate  
Division of Reactor Program Management  
Office of Nuclear Reactor Regulation

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Washington State University

Docket No. 50-27

cc:

State Planning Division  
Office of Financial Management  
Room 105, House Office Building  
Olympia, Washington 98504

REQUEST FOR ADDITIONAL INFORMATION

WASHINGTON STATE UNIVERSITY

TRIGA RESEARCH REACTOR

DOCKET NO. 50-27

1. Definition 5, "Functional Check," refers to a system output being consistent +/- 19% with previously measured values. Since this number seems unusual, please provide justification.
2. Specification 3.15.5(b) provides that the bridge be automatically moved to the retracted position upon opening of the treatment room's shield door, as a means of controlling delivery of the beam. Please provide design information and analysis, to include:
  - a. How rapidly must the bridge move to shut off the beam compared, for example, to a shutter? What are the design criteria for this function?
  - b. Is there a reactor scram which accompanies the motion of the bridge? If not, are there any concerns with regard to moving a reactor while at power?
  - c. Since the bridge may need to be accelerated rapidly to accomplish the desired goal of shutting off the beam, evaluate the associated motion with regard to possible damage to the support structure and/or core as a result of hydrodynamic forces.

ENCLOSURE