

June 21, 1990

Docket No. 50-27

Mr. W. E. Wilson
Associate Director
Nuclear Radiation Center
Washington State University
Pullman, Washington 99164-1300

Dear Mr. Wilson:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION

We are continuing our review of the documentation submitted in support of your application for amendment of your operating license for the Washington State University Modified TRIGA Research Reactor that was submitted on April 19, 1990. During our review of your application, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed Request for Additional Information within 60 days of the date of this letter. Following receipt of the additional information we will continue our evaluation of your application. If you have any questions regarding this review, please contact me at (301) 492-1127.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P. L. 96-511.

Sincerely,

151
Alexander Adams, Jr., Project Manager
Non-Power Reactor, Decommissioning
and Environmental Projects Directorate
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script, reading "Alexander Adams, Jr.", is written over the typed name.

Alexander Adams, Jr., Project Manager
Non-Power Reactor, Decommissioning
and Environmental Projects Directorate
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

REQUEST FOR ADDITIONAL INFORMATION

WASHINGTON STATE UNIVERSITY

DOCKET NO. 50-27

1. For your requested increase in authorized steady state power level you made several changes to your Technical Specifications to make them consistent with the requested power level. However, Table 3.2 remains inconsistent with your request. Please amend Table 3.2.
2. Your new proposed Technical Specifications concerning the use of byproduct material sealed sources in the reactor pool do not refer to any particular isotope or curie quantity. Does your safety analysis for Technical Specification 3.14(3) hold true for any isotope? If a loss of pool water accident occurred, at what source size would melting of the encapsulation be credible? Also, if water loss occurred from the pool, at what source size would source radiation shine significantly increase radiation levels produced by core shine? In addition, the proposed Technical Specifications require a basis. Proposed Technical Specification 3.14(3) has a surveillance interval of monthly without a maximum interval between measurements. For an interval of monthly, the maximum interval should not exceed six weeks.
3. Proposed Technical Specification 4.3.3 has a verification interval of monthly with the interval not to exceed 60 days. Normally the maximum interval for monthly surveillances is six weeks. If you want a maximum interval of 60 days, please justify with a safety analysis.
4. In Technical Specification 6.10 reference is made to the Region V Office of Inspection and Enforcement. This office does not exist anymore. The correct contact for the region is the Regional Administrator for written communication and the Region V Office for telephone communication. Please update your Technical Specifications to reflect these changes.