

April 3, 1990

Docket No. 50-606

Dr. Kenneth Kersh, President
Arkansas Tech University
Russellville, Arkansas 72801-2222

Dear Dr. Kersh:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION

We are continuing our review of your application for a construction permit/operating license for the Arkansas Tech TRIGA Research Reactor submitted on November 13, 1989. 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) 492-1121.

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,

Original signed by:

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

Enclosure:
As stated

cc w/enclosure:
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script that reads "Alexander Adams, Jr.".

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

Enclosure:
As stated

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See next page

Arkansas Tech University

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cc:

Dr. Jack Hamm, Dean
School of Systems Science
Arkansas Tech University
Russellville, Arkansas 72801

Dr. John Sankoorikal
Assistant Professor of Engineering
Arkansas Tech University
Russellville, Arkansas 72801

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State Capitol
Little Rock, Arkansas 72201

Pope County Judge
Pope County Courthouse
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REQUEST FOR ADDITIONAL INFORMATION
ARKANSAS TECH UNIVERSITY TRIGA REACTOR FACILITY
DOCKET NO. 50-606
QUALITY ASSURANCE

1. Section 9 of the SAR describes the QA program, and the text of Section 9 quotes and references ANSI-15.8. This does not appear to be the correct reference. Regulatory Guide 2.5, "Quality Assurance Requirements for Research Reactors," endorses ANSI N402-1976, which has the same title. ANSI N402-1976 was also numbered ANS-15.8, and the cross-numbering (ANSI-15.8 instead of ANS-15.8 or ANSI N402-1976) should be eliminated.
2. Figure 9.1 shows a Reactor Safety and Utilization Committee, chaired by the Facility Director. Please include a description in the SAR of the authority and responsibility of this committee.
3. Table 9-1 assigns the responsibility to establish and implement the QA program and identify its scope to the Facility Director or Reactor Supervisor, and it assigns the responsibility for (the resolution of) unresolved issues associated with QA to the Dean of the School of Systems Science or the Head of the Department of Engineering. For the purpose of accountability, each of these responsibilities should be assigned to one individual or the other (position titles are acceptable), and the SAR should be so revised. Other lower-level responsibility assignments should also be documented for accountability. While this need not be done in the SAR, there should be commitment in the SAR that this will be done.

CLIMATOLOGY

4. Page 2-12 of your SAR reports the annual mean daily temperature at Russellville as 73°F. This temperature would seem to be the annual mean daily maximum temperature. Please comment.
5. In several places in Section 2 of your SAR, Reference 5, "The Environmental Geology of the Russellville, Arkansas Area" is given as the source of meteorological data. Please verify.