

ARKANSAS TECH UNIVERSITY • Office of the President

November 13, 1989

Mr. Alexander Adams, Jr.
Non-Power Reactor, Decommissioning, and
Environmental Project Directorate
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Project Number 677. Application for a
Construction Permit/Operating License for
Arkansas Tech University TRIGA Reactor
Facility.

Dear Mr. Adams:

This document is part of an application for a construction permit/
operating license for Arkansas Tech University's proposed TRIGA reac-
tor facility.

The following information is intended to meet the requirements of
10 CFR 50.33 (parts (a), (b), (c), (e), and (f)).

- (a) Arkansas Tech University
- (b) Russellville, Arkansas 72801
- (c) Arkansas Tech is a state-supported university
- (e) Arkansas Tech University is applying for a class 104 license
to construct and operate a TRIGA reasearch reactor facility.
The reactor will be used for education and research. License
is sought for a 20 year period.
- (f) Construction costs are estimated at \$1,000,000. ATU has
\$250,000 from industry and institutional funds and an addi-
tional \$850,000 is appropriated for the project in the Energy
and Water Development Bill (H.R. 2696) for the fiscal year
ending September 30, 1990. Fuel will be requested from the
U.S. Department of Energy.

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Operating costs for year one are estimated as follows:

Facility Director (½ time)	\$26,000
Reactor Supervisor (½ time)	20,000
Technician/Operator (full-time)	25,000
Administrative Secretary (full-time)	18,000
Fringe Benefits (27%)	24,000
Utilities	24,000
Maintenance	20,000
Total	\$157,030

Operating costs are estimated to increase 4% per year to give the following totals:

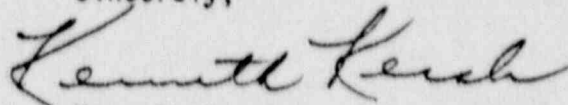
Year two	\$163,311
Year three	\$169,844
Year four	\$176,637
Year five	\$183,703

Funds for operation and maintenance will be made available through ATU budgets.

The cost of decommissioning the TRIGA reactor, in 1989 dollars, is estimated at \$300,000. The University intends to request appropriations of funds from the State of Arkansas for decommissioning when a decision is made to decommission the facility.

In accordance with 10 CFR 50.34 the Safety Analysis Report, Emergency Plan, Technical Specifications, and Environmental Impact Study are enclosed. The Physical Security Plan is being sent separately.

Sincerely,


Kenneth Kersh

Enclosure

cc: USNRC Region IV Administrator
USNRC Document Control