

October 20, 1988

Docket No. 50-186

Dr. Robert M. Brugger
Director, Research Reactor Facility
University of Missouri
Columbia, Missouri 65211

Dear Dr. Brugger:

SUBJECT: ISSUANCE OF AMENDMENT NO. 16 TO FACILITY OPERATING LICENSE
NO. R-103 - University of Missouri Research Reactor

The Commission has issued the enclosed Amendment No. 16 to Facility Operating License No. R-103 for the University of Missouri Research Reactor. The amendment consists of changes to the Technical Specifications in response to your submittals dated February 26, 1982, November 22, 1985, and May 20, 1988.

The amendment (1) authorizes an increase in the amount of depleted uranium that may be received, possessed, and used from 20 kg. to 50 kg., (2) authorizes the receipt, possession, and use of up to 40 grams of plutonium in the form of a sealed rod source, (3) removes the requirement that the pool cooling system pumps operate in parallel, (4) updates the facility organizational structure, and (5) corrects a typographical error and replaces references to the AEC with NRC.

A copy of the related Safety Evaluation supporting Amendment No. 16 is enclosed.

Sincerely,

original signed by
Alexander Adams, Jr., Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 16
2. Safety Evaluation

cc w/enclosures:
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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
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

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University of Missouri
at Columbia

Docket No. 50-186

cc: University of Missouri
Associate Director
Research Reactor Facility
Columbia, Missouri 65201

A-95 Coordinator
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