

February 8, 2000

Dr. Nicholas Tsoulfanidis, Interim Reactor Director  
Fulton Hall  
1870 Miner Circle  
University of Missouri, Rolla  
Rolla, Missouri 65409-0630

SUBJECT: ISSUANCE OF AMENDMENT NO. 18 TO FACILITY OPERATING LICENSE  
NO. R-79 - UNIVERSITY OF MISSOURI, ROLLA RESEARCH REACTOR  
(TAC NO. MA8065)

Dear Dr. Tsoulfanidis:

The Commission has issued the enclosed Amendment No. 18 to Facility Operating License No. R-79 for the University of Missouri, Rolla Research Reactor. The amendment changes the facility license in response to application dated January 26, 2000.

The amendment changes your organization to recreate the Reactor Director and Reactor Manager positions to replace the existing Reactor Director position.

A copy of the related safety evaluation supporting Amendment No. 18 is also included.

Sincerely,

*/RA/*

Marvin M. Mendonca, Senior Project Manager  
Events Assessment, Generic Communications  
and Non-Power Reactors Branch  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket No. 50-123

Enclosures:

1. Amendment No. 18
2. Safety Evaluation

cc w/enclosures: Please see next page

cc:

Mr. William Bonzer, Interim Reactor Manager  
Nuclear Reactor Facility  
University of Missouri, Rolla  
Rolla, Missouri 65409-0630

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UNIVERSITY OF MISSOURI, ROLLA

DOCKET NO. 50-123

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 18  
Licensee No. R-79

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment filed by the University of Missouri, Rolla (the licensee), dated January 26, 2000, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the regulations of the Commission as stated in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance that (i) the activities authorized by this amendment can be conducted without endangering the health and safety of the public and (ii) such activities will be conducted in compliance with the rules and regulations of the Commission;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the regulations of the Commission and all applicable requirements have been satisfied; and
  - F. Prior notice of this amendment was not required by 10 CFR 2.105, and publication of notice for this amendment is not required by 10 CFR 2.106.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the enclosure to this license amendment, and paragraph 2.C.2. of License No. R-2 is hereby amended to read as follows:

2. Technical Specifications

- The Technical Specifications contained in Appendix A, as revised through Amendment No. 18, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Marvin M. Mendonca, Senior Project Manager  
Events Assessment, Generic Communications  
and Non-Power Reactors Branch  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Enclosure:  
Appendix A Technical  
Specifications Changes

Date of Issuance:

ENCLOSURE TO LICENSE AMENDMENT NO. 18

QUALITY OPERATING LICENSE NO. R-79

DOCKET NO. 50-123

*Replace the following pages of the Appendix A Technical Specification with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the areas of changes.*

Remove

Insert

37

37

38

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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 18 TO

FACILITY OPERATING LICENSE NO. R-79

UNIVERSITY OF MISSOURI, ROLLA

DOCKET NO. 50-123

1.0 INTRODUCTION

By letter dated January 26, 2000, the University of Missouri, Rolla (the licensee) requested a change to the organization specified in Technical Specifications for the Nuclear Reactor Facility. The change would reinstate the Reactor Manager in the management chain under the Director Nuclear Reactor and over the Senior Operators. The Reactor Manager was removed from the organization by Amendment No. 15, dated March 2, 1999.

2.0 EVALUATION

The organization, and responsibilities and qualifications for the Reactor Manager and the Reactor Director are the same as previously used at the facility and accepted by the NRC (up to Amendment No. 15), except qualifications for the Reactor Manager. Previously, the Reactor Manager was required to have a Bachelor of Science or equivalent. The licensee has proposed that the Reactor Manager shall have three years of nuclear related experience. A maximum of two years equivalent full academic training maybe substituted for two of the three years of nuclear related experience. The Reactor Manager is also required to obtain and maintain an NRC Senior Operator license. These qualifications for Reactor Manager are consistent with the guidance in "American National Standard for the Selection and Training of Personnel for Research Reactors" ANS/ANSI 15.4-1988. Based on this and the past acceptable function of the proposed organization, the proposed change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously evaluated, or create the possibility of a new or different kind of accident from any accident previously evaluated, and does not involve a significant reduction in a margin

of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed activities, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or the health and safety of the public.

Principal Contributor: Marvin M. Mendonca

Date: