

December 22, 2005

Mr. Andrew Kauffman
Associate Director
Nuclear Reactor Laboratory
Ohio State University
1298 Kinnear Rd.
Columbus, OH 43210

SUBJECT: ISSUANCE OF AMENDMENT NO. 18 TO FACILITY OPERATING LICENSE
R-75 - OHIO STATE UNIVERSITY RESEARCH REACTOR (OSURR)
(TAC NO. MC5198)

Dear Mr. Kauffman:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No. 18 to Facility Operating License No. R-75 for the OSURR. The amendment consists of a revision to Appendix A of the facility operating license in response to your application of November 9, 2004, and your response of October 13, 2005, to the staff request for additional information dated August 15, 2005.

The amendment adds two existing positions between the Vice President of Business and Finance and the Director of Radiation Safety Section to the Administrative Organization, Figure 6.1 of the Technical Specifications (TS). Those positions are the Assistant Vice President of Physical Facilities and the Associate Vice President of Environmental Health and Safety.

A copy of the safety evaluation supporting Amendment No. 18 is also enclosed. If there are any questions please contact me at 301-415-1631.

Sincerely,

/RA/

Daniel E. Hughes, Project Manager
Research and Test Reactors Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-150

Enclosures: 1. Amendment No. 18
2. Safety Evaluation

cc w/enclosures: See next page

Ohio State University

Docket No. 50-150

cc:

Ohio Department of Health
ATTN: Radiological Health
Program Director
P.O. Box 118
Columbus, OH 43216

Ohio Environmental Protection Agency
Division of Planning
Environmental Assessment Section
P.O. Box 1049
Columbus, OH 43216

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Engineering Experiment Station
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Dr. William Vernetson
Director of Nuclear Facilities
Department of Nuclear
Engineering Science
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

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OHIO STATE UNIVERSITY

DOCKET NO. 50-150

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 18
License No. R-75

1. The U.S. Nuclear Regulatory Commission (Commission) has found that
 - A. The application for an amendment to Facility Operating License No. R-75 filed by the Ohio State University (licensee) on November 9, 2004, and supplemented on October 13, 2005, conforms to the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the regulations of the Commission as stated in Chapter I of Title 10 of the *Code of Federal Regulations* (10 CFR);
 - 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 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. This amendment is issued in accordance with the regulations of the Commission as stated in 10 CFR Part 51, 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 a notice for this amendment is not required by 10 CFR 2.106.

2. Accordingly, the license is amended by changes to paragraph 3.B of Facility Operating License No. R-37 to read as follows:

B. 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 in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Brian E. Thomas, Branch Chief
Research and Test Reactors Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Enclosure: Appendix A Technical Specifications Changes

Date of Issuance: December 22, 2005

ENCLOSURE TO LICENSE AMENDMENT NO. 18

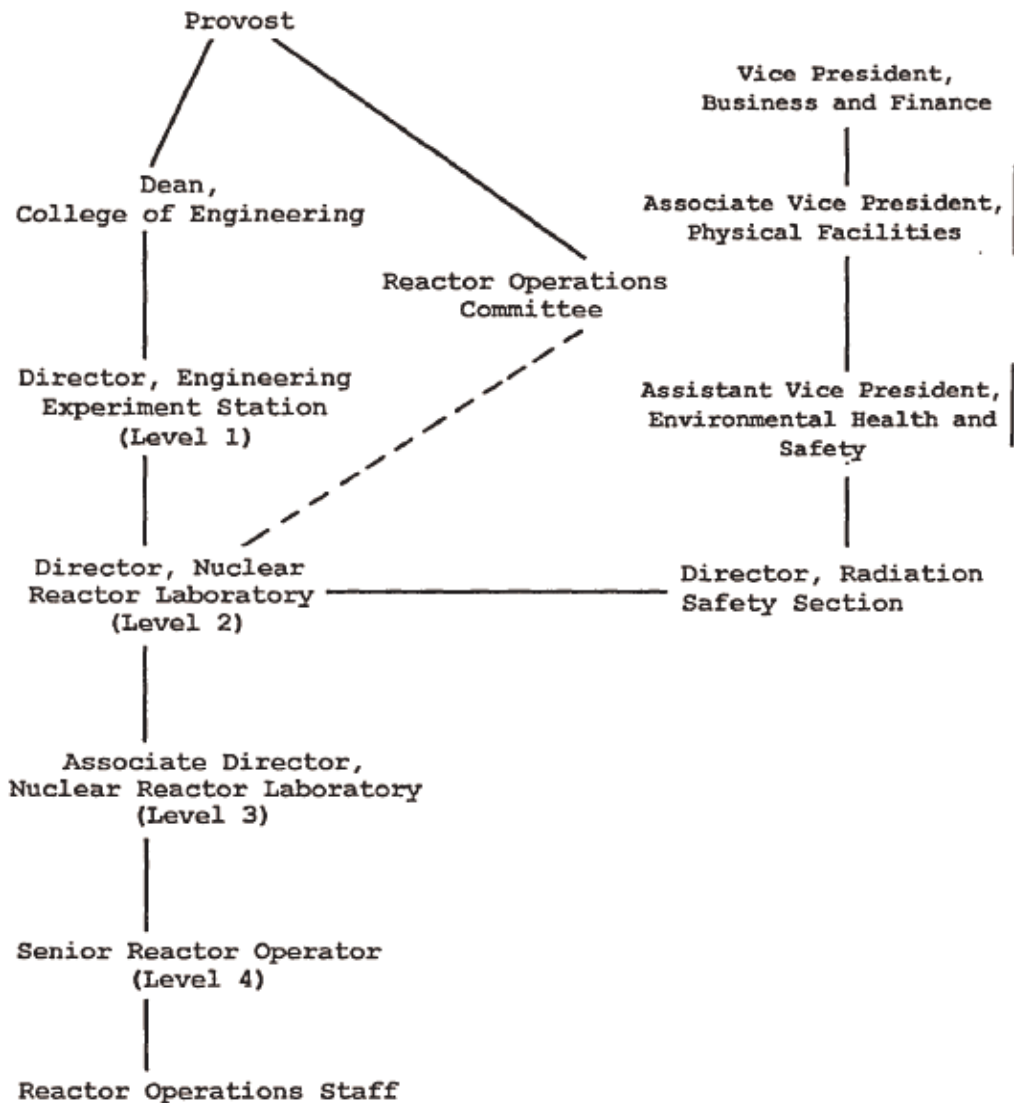
FACILITY OPERATING LICENSE NO. R-75

DOCKET NO. 50-150

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by amendment number and contain vertical lines indicating the areas of change.

Remove
Figure 6.1

Insert
Figure 6.1



Solid Lines ——— Paths of Direct Responsibility
Dashed Lines - - - - - Paths of Information

Figure 6.1: Administrative Organization

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 18 TO

FACILITY OPERATING LICENSE NO. R-75

OHIO STATE UNIVERSITY

DOCKET NO. 50-150

1.0 INTRODUCTION

By letter dated November 9, 2004, the Ohio State University (OSU or licensee) submitted a request for amendment of Facility Operating License No. R-18 for the OSU Research Reactor (OSURR). The staff requested additional information on August 15, 2005 and the licensee submitted responses by letter dated October 13, 2005. The requested amendment adds two existing positions between the Vice President of Business and Finance and the Director of Radiation Safety Section to the Administrative Organization, Figure 6.1, of the Technical Specifications (TSs). Those positions are the Assistant Vice President of Physical Facilities and the Associate Vice President of Environmental Health and Safety.

2.0 BACKGROUND

The OSURR is a 500 kW(t), light-water cooled and moderated nuclear research reactor that utilizes flat, plate-type fuel elements. The reactor is located on the OSU campus in Columbus, Ohio. The licensee has requested an amendment that changes the administrative organization figure in the TSs.

3.0 EVALUATION

The proposed change to Figure 6.1 of the OSURR TSs adds two positions between the Vice President of Business and Finance and the Director of Radiation Safety Section to the Administrative Organization. Those positions are the Assistant Vice President of Physical Facilities and the Associate Vice President of Environmental Health and Safety. The licensee states that the addition of these two positions does not lessen the independence of the Radiation Safety Section from the OSU Nuclear Reactor Laboratory, of which the OSURR is a part. They indicate that the Director, Nuclear Radiation Laboratory, reports to the Provost, also the Executive Vice President, and the Director, Radiation Safety Section, reports to the Senior Vice President for Business and Finance. The licensee explains that the Provost and the Senior Vice President are independent and report directly to the University President, which is no less independent than the structure prior to the change.

The Director, Radiation Safety Section has the responsibility for implementing the radiation protection program at the OSURR. Section 6.3 of the American National Standard ANSI/ANS 15.1 - 1990, "The Development of Technical Specifications for Research Reactors," states that

the individual or group responsible for implementing the radiation protection program shall report to level 1 or level 2 of the OSURR Management. In the case of the OSU, both before and after the TS change, the Director, Radiation Safety Section report to above level 1. The NRC staff finds that the independence of the Radiation Safety Section from the OSU Nuclear Reactor Laboratory is not lessened by this change. The health and safety of the public is not diminished by this change thus the staff finds it acceptable.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment involves changes in the category of recordkeeping, reporting, and administrative procedures and 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.

5.0 CONCLUSION

The staff has concluded, on the basis of the considerations discussed above, that (1) the amendment does not involve a significant hazards consideration because the amendment does not involve a significant increase in the probability or consequences of accidents previously evaluated, create the possibility of a new kind of accident or a different kind of accident from any accident previously evaluated, or involve a significant reduction in a margin of safety; (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed activities; (3) such activities will be conducted in compliance with the Commission's regulations; and (4) 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: Daniel E. Hughes

Date: December 22, 2005