



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

UNIVERSITY OF MASSACHUSETTS LOWELL

DOCKET NO. 50-223

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 11  
License No. R-125

- I. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment filed by the University of Massachusetts Lowell (the licensee), dated December 18, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as set forth 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: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - 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 Commission's regulations and all applicable requirements have been satisfied; and
  - F. Prior notice of this amendment was not required by 10 CFR 2.105(a)(4) and publication of notice for this amendment is not required by 10 CFR 2.106(a)(2).

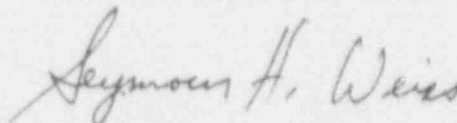
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the enclosure to this license amendment, and paragraph 2.C.(?) of License No. R-125 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 11, 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Seymour H. Weiss, Director  
Non-Power Reactors, Decommissioning and  
Environmental Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
Appendix A Technical  
Specifications Changes

Date of Issuance: February 20, 1992

ENCLOSURE TO LICENSE AMENDMENT NO. 11

FACILITY OPERATING LICENSE NO. R-125

DOCKET NO. 50-223

Replace the following pages of the Appendix A Technical Specification with the attached pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change.

REMOVE

IV-41

IV-43

INSERT

IV-41

IV-43

## ADMINISTRATIVE CONTROLS

### 6.1 ORGANIZATION AND MANAGEMENT

1. The reactor facility shall be an integral part of the Radiation Laboratory of the University of Lowell. The reactor shall be related to the University structure as shown in Chart 6-1.
2. The reactor facility shall be under the direction of the Director of the Radiation Laboratory, who shall be a member of the graduate faculty, and it shall be supervised by the Reactor Supervisor who shall be an NRC-licensed senior operator for the facility. The Reactor Supervisor shall be responsible for assuring that all operations are conducted in a safe manner and within the limits prescribed in the facility license and the provisions of the Reactor Safety Subcommittee.
3. There shall be a Radiation Safety Officer responsible for the safety of operations from the standpoint of radiation protection. He does not report to the line organization responsible for reactor operations, but rather to the Vice-President for Academic Services and Technical Research (see Chart 6-1).
4. An operator or senior operator licensed pursuant to 10 CFR 55 shall be present at the controls unless the reactor is secured as defined in these specifications. In addition, a second individual shall be present in the reactor containment or contiguous Pinanski building whenever the reactor is not so secured. This individual shall be a licensed Senior

Reactor Operator, licensed Reactor Operator or an individual who is capable of shutting the reactor down in case of an emergency.

5. A licensed Senior Operator shall be on the console or readily available on call whenever the reactor is in operation.

## 6.2 REVIEW AND AUDIT

1. There shall be a Reactor Safety Subcommittee which shall review reactor operations to assure that the facility is operated in a manner consistent with public safety and within the terms of the facility license. The Subcommittee shall report to the University Radiation Safety Committee which has overall authority in the use of all radiation sources at the University.
2. The responsibilities of the Subcommittee include, but are not limited to, the following:
  - a. Review and approval of normal, abnormal and emergency operating and maintenance procedures and records.
  - b. Review and approval of proposed tests and experiments utilizing the reactor facilities in accordance with Paragraph 6.8 of these specifications.
  - c. Review and approval of proposed changes to the facility systems or equipment, procedures, and operations.
  - d. Determination of whether a proposed change