



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

KANSAS STATE UNIVERSITY

DOCKET NO. 50-188

AMENDMENT TO FACILITY LICENSE

Amendment No. 13
License No. R-88

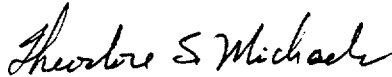
1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to Facility License No. R-88 filed by the Kansas State University (the licensee), dated January 15, 1999, as supplemented on February 19, 1999, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the regulations of the Commission as set forth in 10 CFR Chapter 1.
 - 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 set forth in 10 CFR Chapter 1;
 - 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 of 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 3.B of Facility License No. R-88 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 13, 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



Theodore S. Michaels, 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
Specification Changes

Date of Issuance: November 16, 1999

ENCLOSURE TO LICENSE AMENDMENT NO. 13

FACILITY LICENSE NO. R-88

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Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

Remove Page

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Insert Page

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11. The tests listed below shall be performed at least once semi-annually:
 - a. Verification that the reactor control and safety interlocks are operable.
 - b. Verification that regulating rod and shim rod drop times are less than one second. If either of these rod drop times is greater than one second, the reactor shall not be operated.
 - c. Verification that the power level safety circuits are operable.
12. The linear power level channel shall be calibrated annually.
13. The start-up channel shall be operating prior to start-up.
14. On each day that pulse mode operation of the reactor is planned, a functional performance check of the transient (pulse) rod system shall be performed.

Semiannually, at intervals not to exceed eight months, the transient (pulse) rod drive cylinder and the associated air supply system shall be inspected, cleaned, and lubricated as necessary.

15. The reactor bay exhaust fan shall be operating whenever the reactor is not secured.

F. Radiation Monitoring

1. During reactor operation or when work is done in or around the reactor area, the reactor bay shall be monitored by an area radiation monitor located on or near the reactor bridge. The monitor shall provide a readout and shall provide a signal which activates the audible alarm and warning light system. Area radiation monitors are located in the reactor bay and shall be operating when the beam port experimental facilities are being utilized.
2. A continuous air monitor with alarm shall be operating in the reactor bay when the reactor is not secured.
3. The alarm set points for the area radiation monitors, and the continuous air monitor shall be verified quarterly. This instrumentation shall be calibrated at least once a year.

G. Fuel Storage

1. All fuel elements or fueled devices shall be in a safe, stable, geometry (k_{eff} less than 0.8 under all conditions of moderation) while in storage.
2. Irradiated fuel elements and fueled devices shall be stored in an array which will permit sufficient natural convection cooling by water or air such that the fuel element or fueled device temperature will not exceed design values.

H. Administrative Requirements

1. Written instructions, approved by the Reactor Safeguards Committee, shall be in effect for, but not limited to: