



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

UNIVERSITY OF MISSOURI-COLUMBIA

DOCKET NO. 50-186

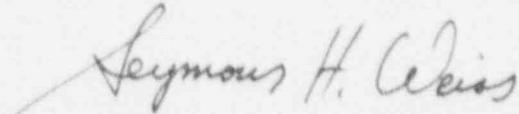
AMENDMENT TO FACILITY LICENSE

Amendment No. 21
License No. R-103

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the University of Missouri (the licensee), dated March 8, 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, Facility License No. R-103 is hereby amended by revising paragraph 2.B.(2)(a) on page 2 to read as follows:
 - (a) The limit for possession, receipt, and use of contained uranium-235 is temporarily increased to 75 kilograms of which not more than 5 kilograms may be in an unirradiated state until December 31, 1992, for the purpose of maintaining uninterrupted reactor operation pending the establishment of a capability for the off-site shipment of spent fuel and the actual shipment of the spent fuel accumulated prior to the establishment of that capability.
3. This license amendment is effective upon 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

Attachment:
Page 2 of license

Date of Issuance: May 8, 1991

1. The receipt, possession, and use of byproduct and special nuclear materials as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30 and 70, including Sections 30.33, 70.23, and 70.31.
2. Facility License No R-103, as amended, is hereby amended in its entirety to read as follows:
 - A. This license applies to the heterogeneous light water cooled and moderated, pressurized tank, nuclear research reactor (herein "the reactor"), owned by The Curators of the University of Missouri ("the licensee") located at Columbia, Missouri, and described in the application dated March 15, 1961, and amendments thereto, including the amendment dated August 25, 1972, and supplements hereto dated October 5, 1973; January 11, 1974; February 28, 1974; and March 13, 1974 (herein "the application").
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses The Curators of the University of Missouri:
 - (1) Pursuant to Section 104c of the Act and Title 10 CFR Chapter I, Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the reactor in accordance with the procedures and limitations set forth in this license;
 - (2) Pursuant to the Act, 10 CFR Part 70, "Domestic Licensing of Special Nuclear Material," and the Commission Order dated September 27, 1985, to receive, possess, and use up to 45 kilograms of contained uranium-235, providing that no more than 5 kilograms of this amount be unirradiated; up to 80 grams of plutonium-beryllium neutron source; up to 20 grams of plutonium-239 in the form of sheets enclosed in aluminum for use in connection with operation of the reactor; and up to 40 grams of plutonium enriched to 90% plutonium-242 in the form of a rod sealed in a stainless steel can for use in connection with operation of the reactor subject to the following:
 - (a) The limit for possession, receipt, and use of contained uranium-235 is temporarily increased to 75 kilograms of which not more than 5 kilograms may be in an unirradiated state until December 31, 1992, for the purpose of maintaining uninterrupted reactor operation pending the establishment of a capability for the off-site shipment of spent fuel and the actual shipment of the spent fuel accumulated prior to the establishment of that capability.
 - (b) The licensee shall, as part of its annual reporting requirements, report the status of the establishment of the shipping capability and other activities relevant to the use of this temporary increase in the possession limit.