



LICENSE AUTHORITY FILE COPY

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

DO NOT REMOVE

TEXAS A&M UNIVERSITY

DOCKET NO. 50-59

*Passed*

AMENDED FACILITY OPERATING LICENSE

Amendment No. 12  
License No. R-23

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Texas A&M University (the licensee) dated May 31, 1977, as supplemented by filings dated September 29, 1978, December 11, 1978 and December 18, 1978, and March 23, 1979, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the 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 licensee is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the regulations of the Commission;
  - E. The licensee is a nonprofit educational institution, and will use the facility for the conduct of educational activities, and has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
  - F. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - G. 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
  - H. The receipt, possession and use of the 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 10 CFR Sections 30.33, 70.23 and 70.31.

2. Facility License No. R-23 is hereby amended in its entirety to read:

- A. This license applies to the homogeneous nuclear reactor model AGN-201M, Serial No. 106 (the reactor), owned by the Texas A&M University (the licensee), located on its campus at College Station, Texas and described in the application for license dated June 13, 1957, and subsequent amendments and supplements thereto, including the application for license renewal dated May 31, 1977, and supplements thereto dated September 29, December 11 and December 18, 1978, and March 23, 1979.
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Texas A&M University:
  - (1) Pursuant to Section 104c of the Act and 10 CFR, Chapter 1, Part 50, "Licensing of Production and Utilization Facilities", to possess, use and operate the reactor as a utilization facility at the designated location in College Station, Texas, in accordance with the procedures and limitations set forth in this license.
  - (2) Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use up to 700 grams of contained uranium 235, enriched to less than 20 percent in uranium dioxide ( $UO_2$ ) embedded in radiation stabilized polyethylene, and up to 16 grams of plutonium 239 in the form of a sealed Pu-Be neutron source, both in connection with operation of the reactor.
  - (3) Pursuant to the Act and 10 CFR Parts 30 and 70 to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the reactor.
- C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

The licensee is authorized to operate the reactor at steady-state power levels up to a maximum of 5 watts (thermal).

(2) Technical Specifications

The Technical Specifications contained in Appendix A attached hereto are hereby incorporated in this license. The licensee shall operate the reactor in accordance with the Technical Specifications.

Added

per

Amdt #

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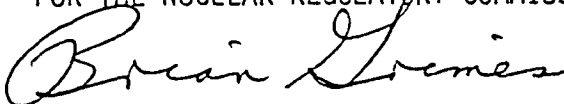
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(3) Physical Security Plan

The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security plan, including all amendments and revisions made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p), which are part of the license. This plan, which contains information withheld from public disclosure under 10 CFR 2.790, is entitled "Texas A&M University AGN-201M Reactor Facility Security Plan," with revisions through September 24, 1984.

- D. The licensee shall maintain in effect and fully implement all provisions of the NRC-approved physical security plan, including amendments and changes made pursuant to the authority of 10 CFR 50.54(p). The approved security plan consists of the document withheld from public disclosure pursuant to 10 CFR 2.790(d), entitled "Security Plan for The Texas A&M University AGN-201M Reactor Facility", dated September 13, 1974.
- E. This amended license is effective as of the date of issuance and shall expire at midnight, August 26, 1997.

FOR THE NUCLEAR REGULATORY COMMISSION



Brian K. Grimes, Assistant Director  
for Engineering & Projects  
Division of Operating Reactors

Attachment:  
Appendix A - Technical  
Specifications dated

Date of Issuance: April 25, 1979