

March 8, 1983

- TO: Director of Nuclear Reactor Regulation
U.S. Nuclear Regulator Commission
Washington, D.C. 20555
- SUBJECT: Application for a Renewal of Operating License, No. R-126,
Class 104 Facility for the TRIGA Nuclear Reactor at the
University of Utah, Salt Lake City, Utah.
- REFERENCE: Title 10, Chapter I, Code of Federal Regulations, Part 50
- ENCLOSURES: (1) Financial Report
(2) Updates on Final Safety Analysis Report
(3) Environmental Data
(4) Revised Technical Specifications
(5) Operator Requalification Program
(6) Revised Emergency Plan
1. The University of Utah, located at Salt Lake City, Utah, hereby applies for a renewal of Operating License, No. R-126, Docket 50-407 for the TRIGA Mark I reactor on the University Campus.
 2. In accordance with Section 50.33 of Reference (1), the following information is submitted:
 - (a) NAME OF APPLICANT: The University of Utah
 - (b) ADDRESS OF APPLICANT: University of Utah, Salt Lake City, Utah
84112
 - (c) DESCRIPTION OF BUSINESS OR OCCUPATION OF APPLICANT:
Institution of Higher Education
 - (d) (1) IF APPLICANT IS AN INDIVIDUAL, STATE CITIZENSHIP:
Not Applicable
(2) IF APPLICANT IS A PARTNERSHIP, STATE NAME, CITIZENSHIP,
AND ADDRESS OF EACH PARTNER AND THE PRINCIPAL LOCATION OF
WHERE THE PARTNERSHIP DOES BUSINESS:
Not Applicable

(3) IF APPLICANT IS A CORPORATION OR AN UNINCORPORATED ASSOCIATION, STATE:

(i) THE STATE WHERE IT IS INCORPORATED OR ORGANIZED AND THE PRINCIPAL LOCATION WHERE IT DOES BUSINESS:

State of Utah, Salt Lake County, Salt Lake City, Utah 84112

(ii) THE NAMES, ADDRESSES AND CITIZENSHIP OF ITS DIRECTORS AND OF ITS PRINCIPAL OFFICERS, ALL OF WHOM ARE CITIZENS OF THE UNITED STATES OF AMERICA:

Institutional Council of the University of Utah

Barker, Desmond J., Jr.
415 East 200 South, Salt Lake City, Utah 84111
Brinton, Reed W.
275 East South Temple, Salt Lake City, Utah 84111
Dahlstrom, John A.
79 South State, Salt Lake City, Utah 84111
Dryer, Randy L.
79 South State, Salt Lake City, Utah 84111
Eccles, Spencer F., Treasurer
P. O. Box 30006, Salt Lake City, Utah 84130
Gaugue, Richard W.
Kearns Building, Salt Lake City, Utah 84101
Hanson, DeAnne D.
4777 Idlewild Circle, Salt Lake City, Utah 84117
Harmston, Gordon E.
672 East 4149 South, Salt Lake City, Utah 84107
Scott, D. Brent
4055 South 500 West, Salt Lake City, Utah 84107
Skaggs, Aline
350 Federal Heights Circle, Salt Lake City, Utah 84103
Smith, Wendy, Secretary
201 Park Building, U of U, Salt Lake City, Utah 84112
Zaratzian, John
Olpin Union, U of U, Salt Lake City, Utah 84112

General Officers of the University of Utah

University of Utah Campus, Salt Lake City, Utah 84112

President, David P. Gardner
203 Park Building
Vice President for Academic Affairs, Cedric I. Davern
205 Park Building
Vice President for Research, James J. Brophy
304 Park Building

(iii) WHETHER IT IS OWNED, CONTROLLED OR DOMINATED BY AN ALIEN, A FOREIGN CORPORATION OR FOREIGN GOVERNMENT AND, IF SO, GIVE DETAILS:

The University of Utah is not owned, controlled, or dominated by an alien, a foreign government or foreign corporation.

(4) IF THE APPLICANT IS ACTING AS AGENT OR REPRESENTATIVE OF ANOTHER PERSON IN FILING THE APPLICATION, IDENTIFY THE PRINCIPAL AND FURNISH INFORMATION REQUIRED UNDER THIS PARAGRAPH WITH RESPECT TO PRINCIPAL.

Not applicable

(e) THE CLASS OF LICENSE APPLIED FOR, THE USE TO WHICH THE FACILITY WILL BE PUT, THE PERIOD OF TIME FOR WHICH THE LICENSE IS SOUGHT, AND A LIST OF OTHER LICENSES, EXCEPT OPERATOR'S LICENSES, ISSUED OR APPLIED FOR IN CONNECTION WITH THE PROPOSED FACILITY.

This request is for a renewal of a Class 104 operating license. The license duration is requested to be the maximum period currently offered. Other NRC licenses having a bearing on the proposed facility are:

Class 104, Facility License No. R-25, for AGN-201M, Serial No. 107 Nuclear Reactor.

License No. SNM-663-University of Utah, SNM License for Pu (7 Curie) in neutron source; U-235 (3.5 Curie) in experimental foils.

License No. 43-01884-01 Broad Form License

The TRIGA Mark I reactor will be used as a source of ionizing radiation and neutrons for research and educational programs in the physical, biological, and medical sciences on the Campus of the University of Utah

(f) THE FINANCIAL QUALIFICATIONS OF THE APPLICANT TO ENGAGE IN THE PROPOSED ACTIVITIES

Funds for the continued operation of the TRIGA Mark I reactor facility are included in present and future operating budgets.

The University of Utah retains liability insurance for the facility with American Nuclear Insurers, Farmington, Connecticut.

Copies of the University of Utah's Financial Report for 1982 are submitted as enclosure (1) to indicate financial qualifications to assume responsibility for the facility.

- (g) THE TECHNICAL QUALIFICATIONS OF THE APPLICANT TO ENGAGE IN THE PROPOSED ACTIVITIES IN ACCORDANCE WITH THE REGULATIONS IN THIS CHAPTER

The staff of the Nuclear Engineering Program in the Mechanical Engineering Department will continue to operate the facility. There is adequate technical capability and many years of experience on the part of the staff and faculty to use the TRIGA nuclear reactor in training and research in nuclear physics, chemistry, engineering and radiochemistry.

- (h) IF THE APPLICANT PROPOSES TO CONSTRUCT OR ALTER A PRODUCTION OR UTILIZATION FACILITY, THE APPLICATION SHALL STATE THE EARLIEST AND LATEST DATES FOR COMPLETION OF THE CONSTRUCTION OR ALTERATION.

Not applicable

- (i) IF THE PROPOSED ACTIVITY IS THE GENERATION AND DISTRIBUTION OF ELECTRIC ENERGY UNDER A CLASS 103 LICENSE, A LIST OF NAMES AND ADDRESSES OF SUCH REGULATORY AGENCIES AS MAY HAVE JURISDICTION OVER THE RATES AND SERVICES OF THE PROPOSED ACTIVITY, AND OF THOSE MUNICIPALITIES, PRIVATE UTILITIES, PUBLIC BODIES AND COOPERATIVE WHICH ARE WITHIN TRANSMISSION DISTANCE AND WHICH ARE AUTHORIZED TO ENGAGE IN THE DISTRIBUTION OF ELECTRIC ENERGY WITHIN THE AREA.

Not applicable

- (j) IF THE APPLICATION CONTAINS RESTRICTED DATA OR OTHER DEFENSE INFORMATION, IT SHALL BE PREPARED IN SUCH MANNER THAT ALL RESTRICTED DATA AND OTHER DEFENSE INFORMATION ARE SEPARATED FROM THE UNCLASSIFIED INFORMATION.

Not applicable

3. Information requested in Section 50.34 of 10 CFR 50 is contained in the final Safety Analysis Report previously submitted and amended by the University of Utah.

Revised and updated Technical Specifications proposed for the technical operation of the facility are enclosed with this application.

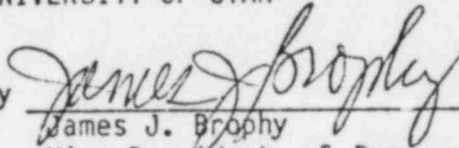
4. As requested in Section 50.37 of Reference (1), entitled AGREEMENT LIMITING ACCESS TO RESTRICTED DATA, The University of Utah agrees not to permit any individual to have access to Restricted Data until the Civil Service Commission shall have made an investigation and report to the Commission on the character, associations and loyalty of such individual, and the the Commission shall have determined that permitting such persons to have access to Restricted Data will not endanger the common defense and security.

5. The University appreciates the opportunity of continued TRIGA reactor operations and shall gladly furnish any additional information that may be deemed necessary by the Commission.
6. SIGNED UNDER OATH OR AFFIRMATION

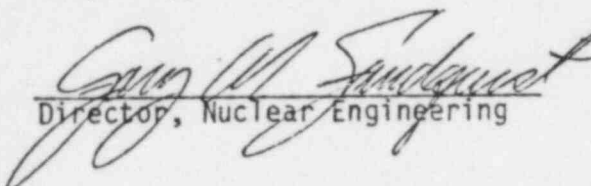
The University of Utah certifies that this application has been prepared in conformity with the Code of Federal Regulations, Part 50, and that all information contained herein, including any supplements attached hereby, is true and correct to the best of our knowledge and belief.

Very truly yours,

UNIVERSITY OF UTAH

by 
James J. Brophy
Vice President of Research

Campus Approvals:


Director, Nuclear Engineering