



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

GEORGIA INSTITUTE OF TECHNOLOGY

DOCKET NO. 50-160

CONSTRUCTION PERMIT

Construction Permit No.
CPRR-116

1. By application received by the Commission on March 11, 1968, and amendments thereto dated July 13, 1971, October 22, 1971, June 23, 1972, October 30, 1972, and November 13, 1972, the Georgia Institute of Technology (Georgia Tech) requested authority to make modifications to its present research reactor located on its campus in Atlanta, Georgia, and licensed by Commission License No. R-97. The modifications are necessary for operation of the reactor at 5 megawatts (thermal).
2. The Atomic Energy Commission ("the Commission") has found that:
 - A. The application, as amended, complies with the 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 reactor will be a utilization facility as defined in the Commission's regulations contained in 10 CFR Part 50, "Licensing of Production and Utilization Facilities";
 - C. The reactor will be used in the conduct of research and development activities of the type specified in Section 31 of the Act;
 - D. Georgia Tech is technically and financially qualified to engage in the proposed activities in accordance with the Commission's regulations;
 - E. Georgia Tech has submitted sufficient technical information concerning the proposed facility to provide reasonable assurance that the existing facility can be modified and operated at its present location without undue risk to the health and safety of the public, and

- F. The issuance of a construction permit to Georgia Tech for modification of its reactor will not be inimical to the common defense and security or to the health and safety of the public.
3. Construction Permit No. CPRR-116, effective as of the date of issuance, is issued to Georgia Tech to read as follows:

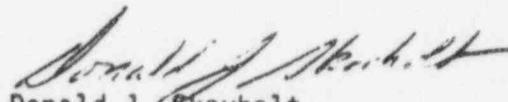
- A. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Georgia Tech:

Pursuant to the Act and 10 CFR Part 50 - "Licensing of Production and Utilization Facilities", to modify its research reactor authorized under Facility License No. R-97 and located in Atlanta, Georgia, in accordance with the procedures and limitations described in the application received on March 11, 1968, and amendments thereto dated July 13, 1971, October 22, 1971, June 23, 1972, October 30, 1972, and November 13, 1972, and this permit.

- B. This permit shall be deemed to contain and be subject to the conditions specified in the following Commission regulations: Part 20, Sections 50.54, 50.55 and 50.55a of Part 50; and is subject to all applicable provisions of the Act, and rules, regulations and orders of the Commission now or hereafter in effect, and is subject to the additional conditions specified or incorporated below:
 - (1) The earliest completion date for modification of the reactor is May 22, 1973. The latest completion date for modification of the reactor is February 22, 1974. The term "completion date", as used herein, means the date on which modification of the reactor in Atlanta, Georgia, is completed, except for the introduction of the fuel material;
 - (2) Georgia Tech shall not operate the modified reactor until Commission approval is granted by the issuance of an amendment to Facility Operating License No. R-97.

4. Upon completion of the modifications of the reactor in accordance with the terms and conditions of this permit, and the application, upon the filing of any additional information required to complete the revisions to the Technical Specifications, upon finding by the Commission that the reactor modifications authorized have been completed and that the modified reactor will operate in conformity with the application and the provisions of the Act and of the rules and regulations of the Commission, and in the absence of any good cause being shown to the Commission why the granting of a amended license would not be in accordance with the provisions of the Act, the Commission will issue to Georgia Tech Amendment No. 1 to Facility License No. R-97. The amended license shall expire 20 years from its date of issuance.

FOR THE ATOMIC ENERGY COMMISSION



Donald J. Skovholt
Assistant Director
for Operating Reactors
Directorate of Licensing

Date of Issuance: May 2, 1973