

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

JUL 23 1975

Docket No. 50-20

Massachusetts Institute of Technology  
ATTN: Mr. Lincoln Clark, Jr.  
Director  
138 Albany Street  
Cambridge, Massachusetts 02139

Gentlemen:

The Commission has issued Amendment No. 10 to Facility Operating License No. R-37 for the Massachusetts Institute of Technology Research Reactor (MITR). The amendment revises the license in its entirety. The Technical Specifications which are incorporated in the license have also been revised in their entirety, and have been designated Change No. 13 to the Technical Specifications. This action is in accordance with your application dated November 18, 1970 and supplements thereto.

The significant changes in the amended license are to authorize (1) operation of the modified reactor, (2) the possession and use of an additional 27.5 kilograms of uranium 235, and (3) the possession and use of 2 one-curie plutonium-beryllium neutron sources.

The Commission's staff has evaluated the potential for environmental impact associated with operation of the MITR in the proposed manner. From this evaluation, the staff has determined that there will be no significant environmental impact attributable to the proposed action. Having made this determination, the Commission has further concluded, pursuant to 10 CFR Part 51, Section 51.5(c)(1) that no environmental impact statement need be prepared for this action. Copies of the related Negative Declaration, which is being filed with the Office of the Federal Register for publication, and the Environmental Impact Appraisal are enclosed.

Also enclosed are copies of the Safety Evaluation and the Federal Register Notice of Issuance of Amended Facility License.

Sincerely,

*George Leach*

George Leach, Chief  
Operating Reactors Branch #3  
Division of Reactor Licensing



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Mr. Lincoln Clark

- 2 -

JUL 23 1975

Enclosures:

1. Amendment No. 10
2. Negative Declaration
3. Environmental Impact Appraisal
4. Safety Evaluation
5. Federal Register Notice