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March 5, 1956

Mr. F. E. Fields  
General Manager  
U. S. Atomic Energy Commission  
Washington 25, D. C.

REFERENCES: MIT Research Reactor  
(Report MIT-5007)  
(Abstract by G. F. Scott,  
dated February 15, 1956)  
(RHS Comments, dated  
February 24, 1956)

Dear Mr. Fields:

The Advisory Committee on Reactor Safeguards reviewed the MIT research reactor at its 17th Meeting. The Reactor Hazards Evaluation Staff reviewed the report referred to above in detail and made an abstract for the Committee's guidance and listed certain details of design which they wished to investigate further. The Committee wishes to commend the staff for their work as it represents a fine beginning of the proper relationship between the RHS and the ACRS.

RECOMMENDATIONS:

1. The MIT research reactor in concept and general principles of design appears to be suitable for the location proposed.
2. It is recommended that approval be given to the construction of this reactor as being an acceptable hazard.
3. The recommendations for approval of this location are based upon the Committee's belief that this reactor will be designed so there will be no uncontrolled release of radioactive material.
4. The Committee recommends that the details be further clarified by the RHS with special attention to containment and disaster

plans. The final plans should be referred to the ACRS before the final license is issued if there are major deviations in principle.

Sincerely yours,

C. Rogers McCullough  
Chairman  
Advisory Committee on  
Reactor Safeguards

cc: H. L. Price  
C. A. Nelson