

1960



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

January 7, 1960

Dr. Leslie Silverman
Chairman, Advisory Committee
on Reactor Safeguards
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Dr. Silverman:

This is in regard to Dr. McCullough's letter of November 16, 1959, to Mr. McCone recommending a study of Reactor Hazards and Criteria. It appears that there are three separate but closely related aspects of this problem:

1. Collection and organization of existing data on subjects involved in reactor safety.
2. Identification of additional research in areas relating to reactor safety.
3. Development of criteria on major aspects of reactor hazards.

We believe that a re-evaluation and examination of these problems, on which major efforts within the AEC Staff are continuously exerted, would be desirable, but that some preparation will be necessary before a decision can be made on the plans for any study undertaken to insure that it would appropriately supplement the programs now in progress.

Accordingly, a committee is being formed to consider the scope, tempo and direction of the study. This committee will be composed about equally of AEC headquarters staff members and of experts from outside groups.

AEC staff members will be Dr. Western (ORS); Dr. Dalsell (RSD); Dr. Mann (Inspection); Mr. Lowenstein, from the Office of General Counsel, will work with the group in an advisory capacity; and Dr. Beck (EL&R), Chairman.

*Members of Ad Hoc Comm on
Site Criteria AECR-2/2/60*
A183
[Handwritten signatures]



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Dr. Leslie Silverman

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In addition, the following have agreed to serve:

Dr. T. J. Thompson, Professor of Nuclear Engineering,
Massachusetts Institute of Technology

Dr. Miles Leverett, Manager of Development Laboratories,
General Electric AEP Dept.

Dr. E. Warren Nyar, Manager, Reactor Projects Branch,
Phillips Petroleum Co.

Dr. Hood Worthington, Director, Technical Division,
Explosive Dept., E. I. du Pont de Nemours Co.

James H. Starnor, M.D., Medical Consultant to the AEC,
Eastman Kodak Co., Rochester, New York

Dr. Bernard I. Spinrad, Director, Reactor Engineering Division,
Argonne National Laboratory

It is our hope that this Committee can prepare a report of its study and recommendations in the early part of 1960.

As this Committee proceeds with its assignment, it will need whatever information and resources may be available. The work already done on criteria by the AEC and the Commission Staff and information from the AEA Committees and similar sources will be helpful.

You may recall that criteria in draft form on several topics: control systems, control rods, containment, radiation monitoring, etc., were sent to you by the staff of the Commission for discussion and comment. Your observations on these would be helpful.

Also we would appreciate receiving from you a report on the work, described recently to the Commission which the Committee has undertaken on the development of a comprehensive formula for evaluating the suitability of reactor sites.

Sincerely yours,

/s/ (A. R. Ludecke)

General Manager