

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS**  
**UNITED STATES ATOMIC ENERGY COMMISSION**  
**WASHINGTON, D.C. 20545**

January 17, 1964

Honorable Glenn T. Seaborg  
Chairman  
U. S. Atomic Energy Commission  
Washington, D. C.

Subject: COMMENTS ON JAPANESE REACTOR SITE CRITERIA GUIDES

Dear Dr. Seaborg:

At the request of the Division of International Affairs of the U.S. Atomic Energy Commission, we have reviewed the Japanese Reactor Site Criteria Guides submitted to our Committee on December 17, 1963 by Mr. A. A. Wells, Director of the Division.

We would like to compliment the Japanese Committee on Reactor Safety Standards for taking the initial steps to establish guides for reactor safety criteria. We fully appreciate the difficulty of this task from our own experience and assistance in developing U. S. reactor site criteria.

We wish to comment on two points in the document. First, the radiation dose value of 25 rem selected for total body exposure coincides with the value selected for U. S. criteria. The thyroid dose value is 150 rem which is one-half that selected for guide use in the United States. Selection of this value is apparently justified by assuming children are included in the population group; however, a population distribution by age is not given to support this selection.

The second item is the man-rem concept used, in which the non-occupational dose of 0.5 rem is multiplied by the total Japanese population of 100 million. We believe that this choice would not be representative of the population in the vicinity of any proposed reactor site. In our opinion, if the man-rem concept is to be of significance, the radius or population zone selected for its application should include only the population group that could be affected by any significant release.

We will be interested in seeing further developments of these criteria.

Sincerely yours,

/s/

Herbert Kouts  
Chairman

cc: H. L. Price

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