

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

June 11, 1973

L. Manning Muntzing  
Director of Regulation

PROPOSED SEISMIC AND GEOLOGIC SITING CRITERIA, APPENDIX A TO  
10 CFR PART 10C

The Committee believes it acceptable to publish the draft Seismic and Geologic Siting Criteria, dated June 7, 1973. However, the Committee notes that the minimum acceptable acceleration currently in use (0.1 g SSE) frequently leads to considerable debate among seismic experts concerning an acceptable seismic design basis, even in regions of low seismicity. The Committee recommends that a study be initiated to determine the practicality and cost of raising the minimum design basis acceleration to 0.15 or 0.2 g for future reactors, except where foundation conditions and geological and seismic information are recognized by a clear consensus of expert opinion to warrant a lesser value. The Committee expects that an increased minimum design basis acceleration would assist in standardization, would provide increased margin to cover uncertainty, and would facilitate seismic aspects of regulatory review for many sites, without involving an important increase in cost, if factored into the original design.



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