



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

BERGGREN

30

March 28, 1977



MEMORANDUM FOR: Frank J. Arsenault, Acting Director, Division of Safeguards, Fuel Cycle and Environmental Research

FROM: N. M. Haller, Assistant Director for Safeguards, OIE

SUBJECT: CONSEQUENCE ESTIMATION STUDY

In response to your memorandum of March 14, 1977, we have reviewed the subject document with interest, but have no comments about the suitability of the methodology used in Phase II or the validity of the results derived therefrom.

Our interest in the present effort focuses on the descriptions of the characteristics and processes of the facilities being analyzed, and the postulated events that might occur at each type of facility.

The relative severity of each consequence needs to be compared with the relative credibility that the postulated event producing the consequence can be perpetrated. The composite result would provide some assistance in assigning priorities to (1) the level of protection required for the components/systems associated with each postulated event and (2) the attention that these same components/system should receive from the inspection program. It is our suggestion that Phase III of the study include some comparative analysis of this type.

*Norman M. Haller*  
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Assistant Director for Safeguards  
Office of Inspection and Enforcement

cc: T. Sherr  
M. Elliott  
R. Jones