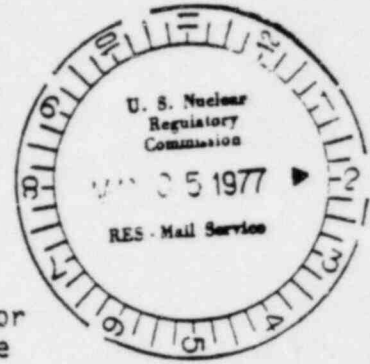




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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MAY 05 1977



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

FROM: James R. Miller
Assistant Director for Reactor Safeguards
Division of Operating Reactors

SUBJECT: REVIEW OF "ADVERSARY ACTIONS IN THE NUCLEAR
POWER FUEL CYCLE: ASSESSMENT OF METHODOLOGY FOR
CONSEQUENCE ESTIMATION," DRAFT REPORT PRODUCED
IN PHASE II OF CONSEQUENCE ESTIMATION STUDY

NRR staff have carefully reviewed the subject document and have no substantial disagreement with its content. In general, the staff felt the document reflected the result of considerable careful effort and commend SAI for their efforts. However, the staff did feel that the discussions in each chapter failed somewhat to adhere to the stated subject of that chapter, resulting in difficulty in following the thought process. This same difficulty in following the author's thought process also occasionally existed within chapters.

While reviewing the document it became apparent that the authors felt that there was much developmental work to be done before a satisfactory methodology was in hand. The amount of developmental work described does not appear to be consistent with the schedule described by Dean Kaul during his April 1, 1977 presentation on plans for Phase III of this study. That schedule called for the predominant part of the planned year-long effort to be consumed by the generation of results. The Phase II report seems to indicate that this is a very optimistic view.

A marked-up copy of the draft report noting editorial problems is enclosed.

James R. Miller
James R. Miller
Assistant Director for
Reactor Safeguards
Division of Operating Reactors

Enclosure: As stated