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MK II 032-LIC

November 2, 1979

Dr. Shou Nien Hou
U. S. Nuclear Regulatory Commission
Mail Stop: P924
Washington, D.C. 20555

Dear Dr. Hou:

As a result of our review of the Brookhaven draft report on response combination, the Mark II Owners have identified several key items concerning the usefulness of an SRSS Criteria for the Mark II program. These key points are:

- (1) A useful criteria must have provisions which allow it to be applied at the load (input) level.
- (2) A simple criteria for application of the load and response level is needed. These criteria should be keyed to achieving a time-phase cumulative distribution function (CDF) curve which meets both of the following:

$$P[R \leq SRSS] \geq 50\%$$

$$P[R \leq 1.2SRSS] \geq 85\%$$

In other words, these simple criteria need not be so conservatively specified so as to achieve a time-phase only CDF which passes

$$P[R \leq SRSS] \geq 50\%$$

Our consultant, Dr. R. Kennedy, will present a summary of the above points at the Mark II Owners/NRC meeting on November 14, 1979 in Bethesda.

Very truly yours,

H. Chau/dt

H. Chau
Manager
Nuclear Licensing Division

HC/mvf

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