GENERAL ✹ ELECTRIC

March 21, 1980

Division of Project Management
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
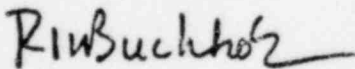Washington, D.C.   20555

Attention: Mr. J. F. Stolz, Chief
                Light Water Reactors Branch 1

Gentlemen:

SUBJECT: MARK II CONTAINMENT PROGRAM
              AN ANALYTICAL METHOD FOR DETERMINING THE PROBABILITY
              DISTRIBUTION OF THE MAXIMUM OF COMBINED RESPONSES

Seventy copies of the report, "An Analytical Method for Determining the
Probability Distribution of the Maximum of Combined Responses," are
being provided by the General Electric Company on behalf of the Mark II
Owners Group as part of the Mark II Containment Program. This report
was prepared by Dr. C. Allin Cornell for the purpose of reviewing the
Mark II Newmark/Kennedy Square Root of the Sum of the Squares (SRSS)
criteria. This report confirms the analytical bases of the Newmark/Kennedy
SRSS criteria and develops a simplified procedure for generating Cumulative
Distribution Functions (CDFs).

Very truly yours,

R W Buchholz

R. H. Buchholz, Manager
BWR Systems Licensing
Safety and Licensing Operation

RHB:jlk/1298

cc: J. P. Knight (NRC) ←
     R. K. Mattu (NRC)
     R. J. Bosnak (NRC)
     S. Hou (NRC)
     J. A. Kudrick (NRC)
     H. Chau (Mark II Owners Group)
     L. S. Gifford (GE-Bethesda)