JAN 18 1978

MEETING SUMMARY

Docket File
NRC PDR
Local PDR
TIC
NRR Reading
LWR-#1 File
E. Case
R. Boyd
R. DeYoung
D. Vassallo
J. Stolz
K. Kniel
O. Parr
S. Varga
L. Crocker
D. Crutchfield
F. Williams
R. Mattson
H. Denton
D. Muller
Project Manager:
Attorney, ELD
E. Hylton
IE (3)
ACRS (16)
L. Dreher
NRC Participants:
S. Rubenstein

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

JAN 18 1978

Docket Nos. 50-358, 50-387,
50-352/353, 50-367,
50-373/374, 50-388,
50-410, 50-322

APPLICANTS: Members of Mark II Owner's Group

SUBJECT: MEETING WITH MARK II OWNER'S GROUP AND GENERAL ELECTRIC COMPANY ON MARK II CONTAINMENT - DECEMBER 14, 1977

Background:

During the staff's review of the Mark II generic program a number of questions were raised by the staff relative to dynamic load combinations. The purpose of this meeting was to discuss draft questions which would later be finalized and sent to the owner's group. An attendance list is attached.

Summary:

The draft questions were discussed for the purpose of clarification and understanding on the part of the owner's group. There was a discussion of how various loads that contribute to overall piping loads were handled. The group stated that direct hydraulic loads were applied using a time history method but that loads induced by building excitation were applied using the response spectra method. The staff felt that this was acceptable.

It was pointed out by the group that building induced loads were of the same order of magnitude as earthquake loads.

There was a discussion of damping factors as a function of stress and when it is appropriate to use OBE vs. SSE allowable values. The group felt that SSE allowable values are appropriate when OBE plus dynamic loads are high.

The staff felt that the group had notjustified the 15% peak broadening of the response spectra for building induced loads. The staff wants quantitative proof that uncertainties in the excitation are equal to or less than for earthquakes.

The staff requested the group to provide a basis for assumptions used in combining closely spaced frequencies of excitation.

The group stated that sloshing loads are minimal and insignificant for pool dynamics. The staff wanted to know where in the DAR seismic sloshing loads are discussed but this subject was outside the scope of this meeting.

The staff plans to submit the requests for information to the owner's group formally.

I. Peltier, Project Manager
Light Water Reactor Branch No. 1
Division of Project Management

JAN 18 1978

Mark II Owner's Meeting

12/14/77

S/C Load Combinations and Acceptance Criteria

C. Anderson	NRC
P. Chen	NRC
K. Wichman	NRC
F. Rally	GE
L. Nieh	S&W
H. Chau(MKII Rep.)	Long Island Lighting Co.
E. McFarland(TSC Rep.)	Bechtel
M. Fakelmann	Burns & Roe Inc.
K. Hazidotis	GE
F. Hussain	GE
L. Memula	Bechtel
S. Tagent	Nuclear Sarries
J. Martin	GE
S. Mucciacciaro	S&W
K. Herring	NRC
S. Hou	NRC
F. Schauer	NRC
H. Johnson	Ebasco Services
G. Kitz	S&L
T. Martin	NUTECH
J. Zudand	NRC