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

OCT 21 1976

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

MEMORANDUM TO: Olan D. Parr, Chief, Light Water Reactors Branch No. 3, DPM

FROM: Sydney Miner, Project Manager, Light Water Reactors Branch No. 3, DPM

SUBJECT: FORTHCOMING MEETING WITH MARK II OWNERS GROUP AND GENERAL ELECTRIC COMPANY ON MARK II CONTAINMENTS

TIME:	8:30 A.M.
DATE:	October 27 and 28, 1976
LOCATION:	San Jose, California
PURPOSE:	To discuss the Mark II Containment Pool Dynamic Load Program
PARTICIPANTS:	NRC G. Lainas, C. Anderson, J. Kudrick, S. Miner Mark II Owners Brent Shelton, et al. GE L. Fruenholz, et al.

Sydney Miner, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

Enclosure:
Meeting Agenda

ENCLOSURE

MEETING AGENDA

WEDNESDAY, OCTOBER 27, 1976

I Mark II (LOCA) Pool Dynamic Load Reports

A. Pool Swell Model (NEDO-21061, Rev. 2, NEDO-21297)

Discussion of NRC Questions:

5, 20.38*	Model improvements
5, 20.24	Model/test comparison
20.28, 1	Plant unique calculations
20.45	Pool swell in reactor pedestal
20.27	Drywell pressure calculations

B. Downcomer Thrust Load (NEDO-21061, Rev. 2)

Discussion of NRC Questions:

20.30, 6	Thrust load evaluation

C. Load Combinations (NEDO-21061, Rev. 2)

Discussion of NRC Questions:

20.46, 4, 20.31	Pool swell waves and seismic slosh
20.22	Large break + 1 SRV

D. Impact Loads (NEDO-21061, Rev. 2, NEDC-20989-2P, NEDE-12426P)

Discussion of NRC Questions:

20.44, 9	Application of PSTF data

E. Miscellaneous

Discussion of NRC Questions:

20.23	Assymetric loads
20.13	Submerged structure drag loads
20.33	Jet load - velocity attenuation
20.9	Load mitigating devices

*Single digit - NRC consultant question list
20.X - NRC question list

II Mark II (LOCA) Pool Dynamic Load Test Programs

A. EPRI - Mark II 3D Tests

1. MK II Owner Group Presentation (EPRI)

test objectives, test description, scaling, error analysis, test matrix, preliminary observations, future tests, film, documentation

2. Discussion of NRC Questions:

20.32, 4 3D tests

B. 4T Tests - Pool Swell Phenomena (NEDE-13442P-01, NEDO-21297, 6/14 applications memorandum)

1. MK II Owner Presentation (new information**)

2. Discuss NRC Questions:

20.25	Air tests
20.29	4T tests - separate submergence/backpressure effects
20.7, 8	Error and scaling analysis, raw data
20.36, 3	Downcomer supports
20.34	Diaphragm upward load

C. Steam Loads (lateral & boundary)(NEDE-13442P-01, NEDE-21297, NEDE-21078-P, 6/14 applications memo)

1. MK II Owner Presentation (new 4T and foreign licensee information) single/multi vent lateral loads, single/multi vent boundary loads

2. Discuss NRC Questions:

20.37, 20.36d	lateral load- load/structure interaction
20.42	boundary load - controlling parameters
20.41	boundary load - plant unique underpressure
20.39	boundary load - load/structure interaction
20.43	boundary load - multi vent tests
20.40	boundary load - statistics of multi vent chugs
20.35, 2	lateral and boundary load - high vent flow loads

**Current update on test results - information not already presented in NEDE-13442P-01, NEDO-21297, 6/14 application memo and NEDE-21078-P

THURSDAY, OCTOBER 28, 1976

III Inadvertent Spray Actuation

A. Analytical model assumptions

B. Instantaneous vaporization vs rate dependance

C. Temperature-humidity relationship

IV Mark II Scaling Laws

A. PSTF out-of-scale parameter

B. Impact on scalability

C. Transition impact data

V PSTF Testing Schedule

A. Impact due to 4T tests

B. Subscale test results

C. Schedule forecast

THURSDAY, OCTOBER 28, 1976

VI Mark II (LOCA) Pool Dynamic Loads (Carryover from 10/27 meeting)

VII Status of Mark II Safety/Relief Valve Pool Dynamic Loads

A. Ramshead

MK II Owners - update of the generic ramshead model (update since the September 1976 NRC/GE SRV meeting). Provide current schedule for MK II ramshead model development and documentation.

B. Quencher

MK II Owners - update on the CAORSO test schedule. Provide current schedule for MK II quencher model development and documentation.

C. Plant Unique SRV Status

MK II Owners - provide summary of plant unique SRV configuration (i.e., provide table with current information indicating plants using ramshead and quencher design).

VIII Tour of EPRI/SRI Test Facility (if time allows)

MEETING NOTICE DISTRIBUTION

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