



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

MAY 11 1978

50-331

MEMORANDUM FOR: W. R. Butler, Chief, Plant Systems Branch, DOR  
THRU: B. C. Buckley, Section Leader, Plant Systems Branch, DOR  
FROM: C. I. Grimes, Plant Systems Branch, DOR  
SUBJECT: FORTHCOMING MEETING WITH THE GENERAL ELECTRIC  
COMPANY AND THE MARK I OWNERS GROUP

Date and Time: Wednesday, June 7, 1978 9:00 a.m.  
Thursday, June 8, 1978 TBA

Location: June 7, 1978 San Jose, CA.  
June 8, 1978 Norco, CA.

Purpose: A loads working group session in San Jose to discuss the LTP load definition methods and outstanding confirmatory requirements from the STP. The working group will tour and witness testing at the FSTF in Norco, California. A proposed agenda is attached.

Participants: NRC: W. Butler, C. Grimes, K. Wichman,  
K. Herring, J. Kudrick, N. Su  
BNL: G. Maise, J. Ranlet, G. Bienkowsky,  
C. Tung, A. Sonin, P. Huber  
GE: L. Sobon, L. Steinert, et. al.  
Mark I Owners: R. Logue, et. al.

*C. Grimes*

C. Grimes  
Plant Systems Branch  
Division of Operating Reactors

Attachment as stated:

cc: See page 2

*AS*  
*GD*

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N. Su	
R. Bosnak	
R. Stuart	
K. Herring	
K. Wichman	
C. Grimes	

AGENDA  
NRC/GE/MARK 1 OWNERS  
LOADS WORKING GROUP

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Wednesday, June 7, 1978

- I. Outstanding Confirmatory Requirements and Load Definition Techniques for the Long Term Program
  - A. Torus Downward and Upward Pool Swell Load Definition
    1. Downward Load Resolution
    2. Three Dimensional Testing
    3. Simulation of Drywell Pressure and Enthalpy Flux Histories
    4. Sensitivity to Vent System Losses
    5. Break Type (Recirculation vs. Main Steam)
  - B. Vertical Reaction Loads
    1. Vent System Impact and Drag Load Definition
    2. Pool Swell Impact for Other Structures
  - C. Submerged Drag Loads
    1. Bubble Propagation Differential Pressure
    2. Definition and Confirmation of Submerged Pool Velocities
  - D. Condensation Oscillation Load Definition for Torus and Downcomers
    1. Flow Regimes
    2. Load Sensitivity
  - E. Secondary LOCA Load Definition
    1. Vent System Thrust
    2. Froth and Fallback
    3. Post Swell Waves
    4. Sonic and Compression Waves
    5. Seismic Slosh
    6. Asymmetric Torus Loads
  - F. T-Quencher Load Definition
    1. Monticello Test Results
    2. Ramshead/Quencher Comparative Results
    3. Multiple-Sequential Load Definition

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G. Error and Uncertainty Analyses for All Loads

II. Questions and Comments on Recently Submitted Topical Reports

A. NEDE - 21627-P Scaling Evaluation

B. NEDC - 21673-P Multivert Chugging Loads

III. Program Schedule Status

Thursday, June 8, 1978

FSTF Tour and Discussion of Preliminary Observations