



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

NOV 16 1979

MEMORANDUM FOR: Those on Attached List

FROM: J. E. Richardson, Chief  
Mechanical Engineering Research Branch

SUBJECT: MEMBERS FOR THE PEER REVIEW PANEL ON SSMRP  
LOAD COMBINATIONS

Because of its potential impact on licensing and attendant influence on safety and economy of nuclear power plants, it has been decided to establish a Peer Review Panel on SSMRP Load Combinations. We hope to have this panel functioning early in CY 1980. You are requested to submit nominations of individuals who meet the following criteria:

Areas of Technical Competence

Nominees should be active in at least one of the following areas:

- A - Metallurgy and materials, particularly emphasizing fracture mechanics (linear elastic and elasto-plastic), fatigue analysis, non-destructive testing of welds, leak detection, and the statistical treatment of material properties and flaw detection.
- B - Structural and mechanical analysis, focusing especially on nuclear power plant piping systems and components and the dynamic analysis of such systems and components subjected to various transients and combinations of transients, especially earthquakes.
- C - Risk and reliability assessment, including probabilistic methodology, systems engineering, Bayesian statistics, fault trees/event trees, consequence modeling and the quantification of uncertainty.
- D - Mathematical analysis with emphasis on applied Fourier analysis, random process theory and computer simulations of nonstationary and nongaussian phenomena.

Absence of Bias

Nominees should not have any vested interest in the results of the study being reviewed. Employment with the government, national laboratories, universities and research firms would be suitable whereas, employment with a NSSS vendor or utility would not be appropriate. Nominees, in addition, should not be contributing to the study results either as a consultant or a researcher.

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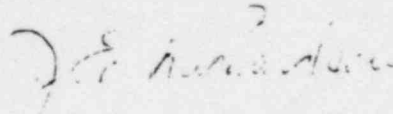
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Level of Excellence

Nominees should be nationally acknowledged and should have notable achievements in their field of endeavor. Nominees are expected to hold positions of leadership and authority such that their judgements, views and opinions generally are accepted by experts working in the same area.

Our present plans call for a panel of four to six individuals. It would be helpful if we receive your recommendations prior to November 30, 1979.



J. E. Richardson, Chief  
Mechanical Engineering Research Branch  
Division of Reactor Safety Research

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ADDRESSEES - MEMORANDUM DATED NOV 1 6 1979

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T. E. Murley, RES  
L. C. Shao, RES  
MERB Staff, RES  
SERB Staff, RES  
MMRB Staff, RES  
M. A. Taylor, PAS  
W. E. Vesely, PAS  
S. H. Hanauer, NRR  
J. P. Knight, NRR  
R. J. Bosnak, NRR  
R. K. Mattu, NRR  
F. P. Schauer, NRR  
K. R. Wichman, NRR  
R. M. Gamble, NRR  
C. P. Tan, NRR  
C. Hofmayer, NRR  
S. B. Hosford, NRR  
V. S. Noonan, NRR  
S. N. Hou, NRR  
W. F. Anderson, SD  
M. Bender, ACRS  
D. Okrent, ACRS  
C. K. Chou, LLL  
P. D. Smith, LLL  
N. M. Newmark, U of IL  
S. Bush, PNL

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