

February 15, 2006

MEMORANDUM TO: Mark Cunningham, Director
Division of Engineering Technology
Office of Nuclear Regulatory Research

THRU: Michele G. Evans, Chief **/RA/**
Engineering Research Applications Branch
Division of Engineering Technology
Office of Nuclear Regulatory Research

FROM: Vaughn V. Thomas **/RA/**
Engineering Research Applications Branch
Division of Engineering Technology
Office of Nuclear Regulatory Research

SUBJECT: NOTICE OF MEETING WITH NUCLEAR ENERGY INSTITUTE
TO DISCUSS THE PERFORMANCE-GOAL BASED APPROACH
FOR ESTABLISHING THE SAFE SHUTDOWN EARTHQUAKE
(SSE) DESIGN RESPONSE SPECTRUM (DRS).

DATE AND TIME Feb 28, 2006
9:00 A.M. to 3:00 P.M.

LOCATION U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852
Commissioners' Hearing Room

PURPOSE: Nuclear Energy Institute (NEI) consultant, Robert P. Kennedy, to
give a presentation on Performance-Goal Based Approach for
Establishing the SSE Design Response Spectrum Aimed at
Achieving a Seismic Core Damage Frequency Less than a Target
Goal for Future Nuclear Power Plants.

PARTICIPANTS: NRC NEI

M. Evans	M. Mayfield	Adrien Heymer
A. Murphy	R. Karas	Cedric Jobe
A. Hsia, et. al.		Bob Kassawara, et. al. – EPRI

M. Cunningham

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CATEGORY: This is a category 2 meeting. The public is invited to participate in this meeting by discussing regulatory issues with the NRC, to obtain factual information, and provide the agency with feedback.

*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, intervenors, or other parties to attend as observers pursuant to the Commission Policy Statement on "Staff Meetings Open to the Public: Final Policy Statement," 67 *Federal Register* 36920, May 28, 2002. Members of the public who wish to attend should contact V. Thomas at (301)-415-5897 or VXT@nrc.gov.

Enclosure:
Agenda

cc: See List

M. Cunningham

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Enclosure:
Agenda

cc: See List

DISTRIBUTION:

Syed Ali	Goutam Bagchi	Mark Cunningham
Michele Evans	Eugene Embro	Michael Mayfield
Herman Graves	Anthony Hsia	Donald Harrison
Yong Li	Rebecca Karas	
Clifford Munson	Andrew Murphy	
Mahendra Shah	Vaughn Thomas	

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**NRC-NEI Meeting: Presentation on Performance-Goal Based Approach
February 28, 2006 at 09:00 – 15:00
Commissioners' Conference Room, NRC**

Meeting Objective: Tutorial on Performance-Goal Based Approach (PBA) for Establishing the Safe Shutdown Earthquake (SSE) Design Response Spectrum (DRS)

Industry Participants: Bob Kennedy – Consultant
Cedric Jobe – NEI

Agenda:

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|------------|--|
| 09:00 am | 1. Introductions and opening remarks – NEI and NRC |
| 09:10 am | 2. PBA Used to Establish SSE Design Response Spectrum |
| | , Issues that must be addressed |
| | , Defining the SSE DRS |
| | < Step 1: Establish Target Performance Goal |
| | < Step 2: Establish Acceptable Seismic Margin Goals |
| 10:15 am | Break |
| 10:30 am | < Step 3: Establish Seismic Hazard Exceedance Frequency |
| | < Step 4: Define Design-Basis Earthquake Response Spectrum |
| | , Summary of Proposed Performance-Goal Based Approach |
| 12:00 noon | Lunch |
| 12:45 pm | 3. Basis for Design Factor (DF) |
| | 4. Demonstration of Actual Hazard Curves |
| | 5. Recommendations |
| 1:30 pm | Break |
| 1:45 pm | 6. Q & A |
| 2:30 pm | 7. Summary of meeting action items |
| 3:00 pm | d. Adjourn |

Enclosure