

March 10, 2006

MEMORANDUM TO: Mark Cunningham, Director  
Division of Fuel, Engineering and Radiological Research  
Office of Nuclear Regulatory Research

THRU: Michele G. Evans, Deputy Director **/RA/**  
Engineering Research Applications  
Division of Fuel, Engineering and Radiological Research

FROM: Vaughn V. Thomas, Project Manager **/RA/**  
Mechanical and Structural Engineering Branch  
Division of Fuel, Engineering and Radiological Research

SUBJECT: NOTICE OF PUBLIC MEETING WITH NUCLEAR ENERGY INSTITUTE  
TO DISCUSS SEISMIC ISSUES RELATED TO FUTURE REACTOR  
SITING.

DATE AND TIME: March 24, 2006  
9:00 A.M. to 4:00 P.M.

LOCATION: U. S. Nuclear Regulatory Commission  
Two White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852  
**Room: T-10-A1**

PURPOSE: 1. To discuss NEI's proposal on a target value for seismic core damage  
frequency(CDF) that will be used to establish the safe shutdown  
earthquake (SSE) design response spectrum (DRS).  
2. To discuss industry reports on performance-based approach for  
determining seismic ground motions.

PARTICIPANTS: NRC NEI

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

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.

Enclosure:  
Agenda

M. Cunningham

-2-

\*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](mailto:VXT@nrc.gov)

cc: See List

M. Cunningham

-2-

\*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](mailto:VXT@nrc.gov)

cc: See List

DISTRIBUTION:

Syed Ali  
Michele Evans  
Herman Graves  
Yong Li  
Clifford Munson  
Mahendra Shah

Goutam Bagchi  
Eugene Embro  
Anthony Hsia  
Rebecca Karas  
Andrew Murphy  
Vaughn Thomas

Mark Cunningham  
Michael Mayfield  
Donald Harrison  
Bret Tegler

DOCUMENT NAME: E:\Filenet\ML060680670.wpd

OAR in ADAMS? (Y or N) Y ADAMS ACCESSION NO.: **ML060680670** TEMPLATE NO. 007

Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC 03/10/06 SENSITIVE? N

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	RES/DFERR/ERAD	SISP Review	RES/DFERR/ERAD	RES/DFERR/ERAD
NAME	V. Thomas /RA/	V. Thomas /RA/	A. Hsia /RA/	M. Evans /RA/
DATE	03/10/06	03/10/06	03/10/06	03/10/06

OFFICIAL RECORD COPY

**NRC-NEI Meeting: ESP/COL Seismic Issue Resolution**  
**March 24, 2006 at 9:00 – 4:00**

**Meeting Objective:**

The meeting objectives are to discuss:

- A) the NEI/Industry proposal on a target value for seismic CDF
- B) the following industry reports:

G1.2 Use of CAV in Determining Effects of Small Magnitude Earthquakes on Seismic Hazard Analyses, and

G1.3 Truncation of the Lognormal Distribution and Value of the Standard Deviation for Ground Motion Models in the CEUS

**Participants:**

NRC staff  
NEI Seismic Issues Task Force

**Agenda:**

- |          |   |
|----------|---|
| 09:00 am | 1. Introductions and opening remarks – NRC and NEI  |
| 09:10 am | 2. Industry Proposal on a Target Value for Seismic CDF <ul style="list-style-type: none"><li>o Basis for Proposed Target Value (NEI)</li><li>o Discussion of resulting CEUS spectra (NEI/Industry)</li><li>o NRC Staff comments/feedback</li><li>o Recommendations</li></ul>  |
| 10:15 am | <b>Break</b>  |
| 10:30 am | 3. Report G1.2: 'Use of CAV in Determining Effects of Small Magnitude Earthquakes on Seismic Hazard Analyses' <ul style="list-style-type: none"><li>o NRC staff comments/identification of issues</li><li>o NEI/Industry responses and plans to address NRC comments</li><li>o General discussion/Recommendations</li></ul> |
| 12:30 pm | <b>Lunch</b>  |
| 1:15 pm  | 4. Report G1.3: 'Truncation of the Lognormal Distribution and Value of the Standard Deviation for Ground Motion Models in the CEUS'   |

- o NRC staff comments/identification of issues
- o NEI/Industry responses and plans to address NRC comments
- o General discussion/ Recommendations

3:15 pm

**Break**

3:30 pm

Summary of meeting action items (NRC/NEI)

4:00 pm

Adjourn