

**Beverly Sweeney**

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**From:** Anthony Hsia *NRO*  
**Sent:** Tuesday, July 25, 2006 5:48 PM  
**To:** Adrian HEYMER  
**Cc:** William Beckner; Michele Evans; Gene Imbro; Rebecca Karas; Andrew Murphy; Bret Tegeler; Vaughn Thomas  
**Subject:** Re: EPRI reports associated with the development of seismic ground motion at a new nuclear power pla  
**Categories:** Yellow Category

Adrian:

Thank you for the EPRI reports.

Have you finalized a date when NRC and industry can have a public meeting to discuss some of the important issues to be covered in the draft RG DG-1146? I encourage you to come up with a date as soon as possible in order for us to reach a common understand and to finalize the draft RG for public comment.

Tony

>>> "HEYMER, Adrian" <[aph@nei.org](mailto:aph@nei.org)> 07/21/2006 3:32 PM >>>  
July 20, 2006

Mr. Eugene V. Imbro

Chief, Mechanical and Civil Engineering Branch

Office of Nuclear Reactor Regulation

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

PROJECT NUMBER: 689

Dear Mr. Imbro:

Enclosed for NRC review are the following EPRI reports associated with the development of seismic ground motion at a new nuclear power plant site:

\* Sensitivity of Performance-Based Approaches for Determining the

SSE Ground Motion for New Plant Sites,

\* Use of CAV in Determining Effects of Small Magnitude Earthquakes  
on Seismic Hazard Analyses,

\* Program on Technology Innovation: Truncation of the Lognormal  
Distribution and Value of the Standard Deviation for Ground Motion Models in the Central and Eastern United  
States.

These reports, which were submitted earlier this year, have been revised to take into account NRC requests for additional information and NRC comments made during the public meetings on these subjects. The two enclosed data sheets are associated with the report titled, Use of CAV in Determining Effects of Small Magnitude Earthquakes on Seismic Hazard Analyses.

Also enclosed for NRC use and discussion is a draft report, Guidance for Determination of Performance-Based (Risk-Informed) Site Specific Safe Shutdown Earthquake Response Spectra for Future Nuclear Plants, which could be used as input to the regulatory guidance that is being developed in relation to the performance-based approach for determining seismic ground motion.

Sincerely,

Adrian P. Heymer

Senior Director, New Plant Deployment

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\*Due to the large size of the enclosures, the rest of the enclosures are being transmitted in three more e-mails. Second e-mail will follow this one. We apologize for any inconvenience.

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