



NUCLEAR ENERGY INSTITUTE

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June 10, 2008

Mr. Ramachandran Subbaratnam
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Data for the Harris Site Used in EPRI White Paper

Project Number: 689

Dear Mr. Subbaratnam:

This letter transmits the data files for the Harris Site hazard curves which were discussed at the public meeting held on May 23rd. This data was used in the preparation of the EPRI white paper titled "White Paper on Influence of Dames & Moore Interpretations for Seismic Hazard Studies in the Southeastern US." The data is provided on the enclosed Excel spreadsheet.

We appreciate your assistance and look forward to working toward resolution of these issues. If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Leslie C. Kass".

Leslie C. Kass

Enclosure

c: Ms. Rebecca Karas, U.S. Nuclear Regulatory Commission
Dr. Clifford Munson, U.S. Nuclear Regulatory Commission
Dr. Yong Li, U.S. Nuclear Regulatory Commission
Dr. Jon Ake, U.S. Nuclear Regulatory Commission

Handwritten initials "DBB" in a stylized, bold script.

The file contains a tab for 1Hz and 10 Hz spectral frequency.

- Column A contains the ground motion amplitudes.
- Column B contains the total mean frequency of exceedance computed using CAV and site amplification for the Harris site with the HAR interpretation of D&M
- Column C contains the mean frequency of exceedance computed using CAV and site amplification for Updated Charleston source
- Column D contains the mean frequency of exceedance computed using CAV and site amplification for the East Coast Fault System
- Columns E through K contain the mean frequency of exceedance computed using CAV and site amplification for each team
 - Column F is based on the HAR interpretation of D&M, column K is based on the 1989 interpretation of D&M.
- Column M contains the mean frequency of exceedance computed using CAV and site amplification for the EPRI-SOG sources using the HAR interpretation of D&M
 - Columns C, D, and M sum to the total hazard in column B
- Column Q contains the mean frequency of exceedance computed using CAV and site amplification for the EPRI-SOG sources using the EPRI 1989 interpretation of D&M
- Column R contains the total mean frequency of exceedance computed using CAV and site amplification for the Harris site with the EPRI 1989 interpretation of D&M
 - Comparison of columns B and R show the effect of the alternative interpretation of D&M on the hazard.
- The remaining columns contain the calculation of the 10-4, 10-5 and GMRS values, plus slight adjustments needed to align the surface hazard curves with the results of applying method 2B to the rock hazard curves.