Carol Ashley

From: KASS, Leslie [lck@nei.org]
Sent: Tuesday, March 04, 2008 4:42 PM
To: Ram Subbaratnam /NRO
Cc: Adrian HEYMER; Rebecca Karas; ROBERT B WHORTON
Subject: Seismic telecon summary for March 4th 1pm call

Ram,

Please find a summary of today's telcon below:

NEI / NRC TELECON – MARCH 4, 2008 -- "Proposed Tasks to Address ETSZ Issues"

Attendees:

- **NRC – Becky Karas, Cliff Munson, Sarah Gonzales, Jon Ake, Yong Li**
- **Industry – Leslie Kass, Adrian Heymer, Robin McGuire, John Richards, Don Moore, Bob Whorton, Jim Chardos, Jeff Munsey, Eddie Grant, Ross Hartleb, Bill Godwin**

Purpose: This telecom was a follow-up discussion with NRC based on their request for additional information during the February 29 telecon, to discuss details of a plot showing the EPRI Earth Science Team (EST) source zones and Mmax distribution planned for use in the more detailed sensitivity study for the East Tennessee Seismic Zone (ETSZ). A technical summary of these inputs was provided to NRC on March 3 (attached) in preparation for these discussions.

Cliff Munson / Becky Karas – NRC Staff has reviewed the additional information provided on March 3 and agree with the sensitivity study approach which appears reasonable, but have a few questions:

1. Question that the Woodward-Clyde background source zone seems high
2. Would like to see the effects of individual sources, broken-out by each EST
3. Need coordinates (latitude/longitude) for each of the EPRI seismic sources used
4. Question the minimum magnitude evaluated and magnitude scale

Robin McGuire responded to these questions as follows:

1. The Woodward-Clyde background source zone is high, but this is their representation
2. Individual sources can be broken-out by EST, and will be evaluated at 1Hz and 10 Hz
3. Seismic source coordinates can be provided, but will need to be released by EPRI
4. M_B 3.3 was used as minimum magnitude (with EPRI screen at magnitude 3.0)

Becky Karas concluded that the sensitivity study is reasonable as proposed.

Robin McGuire also provided an overview of the Dames & Moore (D&M) Sensitivity Study:

- For the Vogtle site, re-look at uniform hazard versus changes in activity, with and without D&M. This evaluation will look at the changes in effects of UHS at 1Hz and 10Hz (at 10^{-4} and 10^{-5})

- For the Harris site, provide a summary of the sensitivity results from Bob Youngs evaluation

Cliff Munson commented that the Dames & Moore sensitivity review appears to be reasonable.

The proposed schedule for the work has the report coming to the NRC on May 14th. The final report will include the ETSZ sensitivity study, Dames and Moore sensitivity study and a topical report on the process to update the PSHA.

Please let me know if you have any questions. Thanks.

Leslie