

Beverly Sweeney

From: Nilesh Chokshi
Sent: Tuesday, January 13, 2009 2:55 PM
To: Beverly Sweeney
Subject: FW: NEI New Plant Seismic task Force- NRC Staff Meeting -- Draft Agenda

From: HEYMER, Adrian [mailto:aph@nei.org]
Sent: Thursday, May 03, 2007 8:55 AM
To: Steven Bloom
Cc: Bob Kassawara; Leslie KASS; Nilesh Chokshi, *NRO*
Subject: NEI New Plant Seismic task Force- NRC Staff Meeting -- Draft Agenda

Steve,

Attached is a draft agenda for your consideration for the meeting on May 31, 2007 at NRC's offices.

- Classi/Sassi Validation
- High frequency: component screening and analyses
- Resonant Column Soil Testing
- Definition of SSE
- OBE Exceedence Criterion

We are finalizing the paper on soil testing, and we'll send you that around May 15.

Also, we would like to firm up the dates for the Seismic Seminar/Workshop at NRC on August 28 and 29. We are trying to lock down the consultants.

Proposed Outline for the seminar:

DAY 1

PSHA/Site Response/Site Spectra

One-day seminar to review methods of probabilistic seismic hazard analysis (PSHA), site response, and derivation of site spectra (including spectra from ASCE 43-05):

- PSHA (Robin McGuire)
 - Methods, databases, ground motions
 - CAV filter
- Site Response (Gabriel Toro, Walt Silva)
 - Site data necessary
 - Randomization of site parameters
 - Computer software (SHAKE and RVT)
 - Results of analysis
- Site Hazard (Robin McGuire)
 - Approaches 2A, 2B, 2A/3, and 4 to calculate site hazard
- Site Spectra (Robin McGuire)
 - Generation of design response spectra according to ASCE 43-05

- Review of performance-based results

DAY 2

Incoherence and SSI

One-day seminar to review ground motion incoherence models, methods of calculating soil-structure interaction (SSI), and computer codes for SSI:

- Ground motion incoherence (Norm Abrahamson)
 - Historical perspective of coherency
 - Background on derivation of state-of-the-art coherency function
 - Coherency function, including variation with embedment depth and effects of site profile (rock vs. soil)
- Soil Structure Interaction (Jim Johnson)
 - Historical perspective
 - Coherent SSI Analysis Approaches
 - Incorporation of Incoherency effects
- CLASSI Response Incorporating Incoherency Effects (Jim Johnson and Steve Short)
 - Basic discussion of CLASSI
 - Incorporation of Incoherency Effects
 - Benchmark Problems Performed with CLASSI
- SASSI Response Incorporating Incoherency Effects (Steve Short and Farhang Ostadan)
 - SASSI Background: ACS SASSI (Steve Short) and Bechtel SASSI (Farhang Ostadan)
 - Benchmark Problems Performed with SASSI--ASC SASSI (Steve Short) and Bechtel SASSI (Farhang Ostadan)
- SSI Input Parameters (Farhang Ostadan)
 - Development of input motion to SSI model (Site-specific SSE vs input motion: spectra & time histories, vertical input vs. horizontal input motion, and in-column vs. outcrop motion, etc.)
 - Defining the soil profiles to use in SSI analysis

Thanks for being patient with us over the meeting.

Adrian Heymer
Senior Director

Nuclear Energy Institute
1776 I Street NW, Suite 400
Washington, DC 20006

P: 202-739-8094
F: 202-785-4019

nuclear. clean air energy.

This electronic message transmission contains information from the Nuclear Energy Institute, Inc. The

information is intended solely for the use of the addressee and its use by any other person is not authorized. If you are not the intended recipient, you have received this communication in error, and any review, use, disclosure, copying or distribution of the contents of this communication is strictly prohibited. If you have received this electronic transmission in error, please notify the sender immediately by telephone or by electronic mail and permanently delete the original message.