

PMSTPCOL NPEmails

From: Tai, Tom
Sent: Tuesday, May 03, 2011 10:48 AM
To: Chakrabarti, Samir; Chakravorty, Manas; Price, John E
Cc: Hawkins, Kimberly; STPCOL
Subject: STP - May 23-27 Audit Scope

To All,

Below are proposed audit items for the week of May 23 to May 27, 2011.

I'd like to discuss these briefly during the Wednesday (May 4) telephone conference. Please bring your comments.

Regards

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1. UHS and RSWPH structural evaluation
2. Soil pressure profile (follow-up from March audit – AI 3.7-8)
3. DGFOT and RSWT design calculations – seismic wave propagation effects
4. UHS/RSWPH SSI analysis – local analysis of the columns and design consideration (follow-up from March audit – AI 3.7-18)
5. Validation of shell element aspect ratio – SGH version versus S&L (follow-up from March audit – AI 3.7-28)
6. V&V of SASSI-2000 regarding subtraction method
7. Software V&V for time-history generation
8. Seismic demand for DGFOT, DGFOSV, RSWT II/I stability analyses (follow-up from March audit – AI 3.7-33 and 3.7-35)
9. Stability evaluation for non-Category I structures (RWB, TB, and CBA)
10. DGFOSV (U7-YARD-C-CALC-DESN-6001 and -6002) - seismic source; consideration of lateral pressures from adjacent buildings in the design of walls; surcharge loads resulting from LEAB in stability analysis
11. Outstanding issues from March audit
 - a. SSE damping for cracked concrete model of RSWT (RAI 03.07.01-22)
 - b. Justification for analyzing empty fuel tank and soil separation cases for UB soil case only for DGFOSV (RAI 03.07.01-27)
 - c. Justification for analyzing empty basin and soil separation cases for UB soil case only for UHSB/RSWPH
 - d. Seismic soil pressures on UHSB/RSWPH below grade walls
 - e. Local response amplifications and design of UHSB submerged columns due to hydrodynamic effects (RAI 03.07.02-28)
 - f. 2-D SSSI analyses of RWB+RSWT+RB and UHSB/RSWPH+RSWT+DGFOSV-1C+RB using UB backfill (Audit Issue #2 and AI 3.7-6, 3.7-8, and 3.7-36)
 - g. Reconciliation of the impact of using a lower ground water elevation in the SSI analysis (Audit Issue #1 and AI 3.7-7)
 - h. Revised specification for DGFOS tank rigidity requirements

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From: Tai, Tom

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Tracking Status: None
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