

## PMSTPCOL PEmails

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**From:** Tai, Tom  
**Sent:** Saturday, July 21, 2012 9:40 AM  
**To:** jeprice@stpegs.com  
**Cc:** STPCOL  
**Subject:** STP - July 23, 2012 Audit Items

John,

In addition to audit items previously discussed, here are two more items to discuss with S&L during the audit:

1. Table 3H.6-5, Note (4) states that the factor of safety against sliding requires less than half of available passive pressure. However, Figures 3H.6-48 through 3H.6-50 show the at-rest soil pressures as resisting lateral soil pressures for UHS Basin and Pump House. Why the needed passive pressures are not shown as resisting lateral pressures for stability evaluation?
2. FSAR Section 3H.6.6.3.1 provides foundation seismic spring values. Responses RAI 03.08.04-23 had listed seismic spring values for UB, LB, and Mean, whereas FSAR Section 3H.6.6.3.1 lists only the LB spring values. Please explain how the different spring values were determined, and why only the LB spring values are listed in the FSAR. Also, please clarify if only the LB spring values were used in design and the reason for it.

Regards

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**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 3437

**Mail Envelope Properties** (0A64B42AAA8FD4418CE1EB5240A6FED19B3A56922C)

**Subject:** STP - July 23, 2012 Audit Items  
**Sent Date:** 7/21/2012 9:39:38 AM  
**Received Date:** 7/21/2012 9:39:39 AM  
**From:** Tai, Tom

**Created By:** Tom.Tai@nrc.gov

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Tracking Status: None  
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Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1038	7/21/2012 9:39:39 AM

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**