PMSTPCOL PEmails

From: Tai, Tom
Sent: Monday, June 01, 2009 2:36 PM
To: John Price (jeprice@stpegs.com)
Cc: STPCOL
Subject: Draft RAI 2928 for Chapter 3.7.3
Attachments: RAI 2928 03.07.03-xx.doc

John,

Please review the attached RAI (03.07.03-xx) of Chapter 3.7.3 of the COL. If you need a conference call to clarify the requested information, please contact me. If a conference call is not needed, please send me an email and I will continue the formal process of issuing the RAI to STPNOC.

Regards

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Hearing Identifier: SouthTexas34Public_EX
Email Number: 1272

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71FB9668BEF)

Subject: Draft RAI 2928 for Chapter 3.7.3
Sent Date: 6/1/2009 2:36:23 PM
Received Date: 6/1/2009 2:36:25 PM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"John Price (jeprice@stpegs.com)" <jeprice@stpegs.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	394	6/1/2009 2:36:25 PM
RAI 2928 03.07.03-xx.doc	29690	

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

Request for Additional Information No. 2928 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 03.07.03 - Seismic Subsystem Analysis
Application Section: 03.07.03

QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

03.07.03-***

STD DEP 1.2-1 established a new non-seismic Category 1 Control Building Annex (CBA) adjacent to the control building. FSAR Section 3.7.3.16 specified the analysis procedure for non-seismic structures which requires the use of SSE ground acceleration where a non-seismic structure is required to be designed to withstand a SSE using IBC code. Because of the proximity of Reactor Building (RB), Control Building (CB), and Turbine Building (TB) to the CBA, the seismic response of CBA may be affected by the surrounding buildings due to structure-to-structure interaction effect. As such, the applicant is requested to address whether the effects of structure-to-structure interaction are considered in establishing the acceleration level at the foundation of the CBA during an SSE event and, if not, what is the justification for not including them and what impact could this have on the seismic interaction evaluation of CBA.

03.07.03-***

FSAR Appendix 3H.6.5 does not include procedures for seismic subsystem analysis of site-specific seismic Category I substructures (e.g., platforms, support frame structures, buried piping, tunnels, above ground tanks, etc). In accordance with the guidance specified in SRP 3.7.3, provide in the FSAR in sufficient detail comparable to ABWR DCD Section 3.7.3, the procedures used in analyzing the site-specific subsystems.