

PMSTPCOL PEmails

From: Foster, Rocky
Sent: Tuesday, March 23, 2010 11:03 AM
To: Stillwell, Daniel
Cc: STPCOL
Subject: Chapter 19 Draft RAI 4521
Attachments: draft RAI 4521.pdf

Bill,

Attached is an RAI for Chapter 19 of the STP COLA. Please review and provide me with feedback on the need for clarification, or if I can formally issue them to STP as is.

Thanks,

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"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Stillwell, Daniel" <dwstillwell@STPEGS.COM>
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South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation
Application Section: FSAR Section 19

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

19-***

RAI 19-8

In accordance with the ABWR DCD COL License Information Item 19.9.4, the applicant is required to evaluate the HCLPF capacities of standard plant and site-specific SSCs for updating the PRA. The staff requests that the applicant confirm that this COL License Information Item includes an update of the system model (seismic accident sequences) developed in DCD to incorporate capacity reductions due to site-specific effects (soil liquefaction, slope failure, etc.) and site-specific SSC (Ultimate Heat Sink (UHS), Service Water System (RSW) including Pumphouse, Cooling Tower and Water Reservoir), and determines whether site-specific soil failures control the seismic HCLPF capacities of SSCs associated with the seismic accident sequences. Based on the result of the update, the applicant is requested to demonstrate the sequence- and plant-level seismic HCLPF capacity. The staff needs this information to ensure that the STP's PRA-Based Seismic Margin Analysis complies with pertinent requirements of 10 CFR 52.79(a)(46) and 10 CFR 52.79(d)(1).