

## PMSTPCOL PEmails

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**From:** Eudy, Michael  
**Sent:** Wednesday, December 02, 2009 11:19 AM  
**To:** 'dwestillwell@stpegs.com'  
**Cc:** STPCOL  
**Subject:** New Chp 19 STP RAI  
**Attachments:** RAI 4036.doc

**Importance:** High

Bill,

Here is a new RAI. We would like to issue them as soon as possible. Please let me know if you want me to issue them or set up a telecon. Thanks.

Michael A. Eudy - Project Manager  
U.S. Nuclear Regulatory Commission  
NRO/DNRL/NGE1&2  
301-415-3104

**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 1891

**Mail Envelope Properties** (9E28710E0B702149AEC663972863644019C15D8CEE)

**Subject:** New Chp 19 STP RAI  
**Sent Date:** 12/2/2009 11:18:44 AM  
**Received Date:** 12/2/2009 11:18:48 AM  
**From:** Eudy, Michael

**Created By:** Michael.Eudy@nrc.gov

**Recipients:**  
"STPCOL" <STP.COL@nrc.gov>  
Tracking Status: None  
"dwstillwell@stpegs.com" <dwstillwell@stpegs.com>  
Tracking Status: None

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MESSAGE	283	12/2/2009 11:18:48 AM
RAI 4036.doc	31738	

**Options**  
**Priority:** High  
**Return Notification:** No  
**Reply Requested:** No  
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Request for Additional Information No. 4036 Revision 0

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 19

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

19-\*\*\*

In your August 26, 2009 response to RAI 19-27, you stated that:

"The confirmatory action stated in COLA Section 19.9.4 will be revised to include [in part] the following [item]:

2. Calculation of HCLPF values for site-specific SSCs (UHS/Pump House structure and Cooling Tower) whose failure may affect the plant response to seismic events and which are not included in the analyses described in Appendix 19H."

With respect to item 2 above, you elaborated that HCLPF values for site-specific SSCs (UHS/Pump House structure and Cooling Tower) whose failure may affect the plant response to seismic events and which are not included in the analyses described in Appendix 19H will be established. This will be completed by September 2010. However, there is no mention of Reactor Service Water System as part of the item. The staff also noted that in its response the applicant specifically mentions the UHS/Pump House structure and Cooling Tower as the items not explicitly included among the generic SSC in 19H, but which need to be analyzed as part of the plant specific Category I structures. ABWR DCD, Revision 4, Section 19.9.26 Reactor Service Water Systems Definition, specifically requires the COL applicant to review RSW and UHS design configurations and performance capabilities against those assumed and modeled in the DCD and SSAR. The RSW system consists of piping, tunnel structures and connections to Pump House and Control Building.

Therefore, the applicant's item 2 response is considered incomplete and needs to be augmented. The staff requests for the applicant to clarify if the RSW system, together with its related piping, tunnel structures and connections to Pump House and Control Building, is included within the item. If not, then please include a discussion regarding the basis for not including the system and its related components as part of the item 2.