

## PMSTPCOL PEmails

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**From:** Muniz, Adrian  
**Sent:** Thursday, October 29, 2009 3:58 PM  
**To:** jetomkins@stpegs.com  
**Subject:** Draft RAI 3919  
**Attachments:** RAI 3919.doc

Jim:

I have attached to this electronic communication a draft request for additional information (RAI). 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.

Thanks,

Adrian Muñiz, USNRC  
Chapter 15 PM

**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 1842

**Mail Envelope Properties** (Adrian.Muniz@nrc.gov20091029155700)

**Subject:** Draft RAI 3919  
**Sent Date:** 10/29/2009 3:57:44 PM  
**Received Date:** 10/29/2009 3:57:00 PM  
**From:** Muniz, Adrian

**Created By:** Adrian.Muniz@nrc.gov

**Recipients:**  
"jetomkins@stpegs.com" <jetomkins@stpegs.com>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	397	10/29/2009 3:57:00 PM
RAI 3919.doc	30714	

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

Request for Additional Information No. 3919 Revision 03

South Texas Project Units 3 and 4  
South Texas Project Nuclear Operating Co  
Docket No. 52-012 and 52-013  
SRP Section: 15.08 - Anticipated Transients Without Scram  
Application Section: 15E.1 - ATWS Logic and Setpoints

QUESTIONS for Instrumentation, Controls and Electrical Engineering 2 (ESBWR/ABWR Projects)  
(ICE2)

15.08-\*\*\*

STPNOC has revised the logic in the STP 3 & 4 FSAR Figures 15E-1a, "ATWS Mitigation Logic (ARI, FMCRD Run-In, RPT, Manual Initiation)," 15E-1b, "ATWS Mitigation Logic (SLCS Initiation, Feedwater Runback)," and 15E-1c, "ATWS Mitigation logic (SLCS Initiation, Feedwater Runback)" based on Tier 1 departure STD DEP T1 3.4-1 and STD DEP Admin. However, no changes have been made to the ATWS logic-related text contained in the FSAR, specifically subsections 2.2.8 and 3.4 in Tier 1, and subsection 7.4 and 15E.1 in Tier 2. Explanation of the logic changes shown on these revised FSAR figures has not been provided in either of the cited departures. It was also noted that some of the changes made to these FSAR figures are not annotated (back circled). Due to the stated reasons, NRC staff is unable to verify the acceptability of the departed ATWS mitigation logic. STPNOC is asked to provide an explanation and regulatory bases for all marked and unmarked logic changes shown on the revised FSAR figures 15E-1a, 15E-1b, and 15E-1c.