

## PMSTPCOL PEmails

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**From:** Keith, Felicia  
**Sent:** Tuesday, August 18, 2009 8:58 AM  
**To:** Bill Mookhoek; Chappell, Coley; STPCOL; Scott Head  
**Subject:** Request For Additional Information Letter No. 212 Related To SRP Section 14.2 For The South Texas Project Combined License Application  
**Attachments:** ML092290676.pdf

TO: Scott Head

FROM: Stacy Joseph

DATE: August 17, 2009

ADAMS Accession No. ML092290676

*Felicia Keith, Secretary  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors  
301-415-2950  
[Felicia.Keith@nrc.gov](mailto:Felicia.Keith@nrc.gov)*

**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 1617

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**Subject:** Request For Additional Information Letter No. 212 Related To SRP Section 14.2  
For The South Texas Project Combined License Application  
**Sent Date:** 8/18/2009 8:58:29 AM  
**Received Date:** 8/18/2009 8:58:31 AM  
**From:** Keith, Felicia

**Created By:** Felicia.Keith@nrc.gov

**Recipients:**  
"Bill Mookhoek" <wemookhoek@stpegs.com>  
Tracking Status: None  
"Chappell, Coley" <ccchappell@STPEGS.COM>  
Tracking Status: None  
"STPCOL" <STP.COL@nrc.gov>  
Tracking Status: None  
"Scott Head" <smhead@stpegs.com>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

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

August 17, 2009

Mr. Scott Head, Manager  
Regulatory Affairs  
STP Nuclear Operating Company  
P. O. Box 289  
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 212 RELATED TO  
SRP SECTION 14.2 FOR THE SOUTH TEXAS PROJECT COMBINED  
LICENSE APPLICATION

Dear Mr. Head

By letter dated September 20, 2007, STP Nuclear Operating Company (STP) submitted for approval a combined license application pursuant to 10 CFR Part 52. The U. S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within **30** days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, I can be reached at 301-415-2849 or by e-mail at [Stacy.Joseph@nrc.gov](mailto:Stacy.Joseph@nrc.gov) or you may contact George Wunder at 301-415-1494 or [George.Wunder@nrc.gov](mailto:George.Wunder@nrc.gov).

Sincerely,

**/RA/**

Stacy Joseph, Project Manager  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-012  
52-013

eRAI Tracking No. 2779

Enclosures:  
Request for Additional Information

cc: William Mookhoek  
G. Steve Cashell

If you have any questions or comments concerning this matter, I can be reached at 301-415-2849 or by e-mail at [Stacy.Joseph@nrc.gov](mailto:Stacy.Joseph@nrc.gov) or you may contact George Wunder at 301-415-1494 or [George.Wunder@nrc.gov](mailto:George.Wunder@nrc.gov).

Sincerely,

**/RA/**

Stacy Joseph, Project Manager  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-012  
52-013

eRAI Tracking No. 2779

Enclosures:  
Request for Additional Information

cc: William Mookhoek  
G. Steve Cashell

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**ADAMS Accession No. ML092290676**

NRO-002

OFFICE	SRSB/TR	SRSB/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	WWang	JDonoghue	SJoseph	SKirkwood	GWunder
DATE	5/27/2009	5/28/2009	7/6/2009	8/10/2009	8/17/2009

**\*Approval captured electronically in the electronic RAI system.  
OFFICIAL RECORD COPY**

**Request for Additional Information No. 2779 Revision 2**

**South Texas Project Units 3 and 4  
South Texas Project Nuclear Operating Co  
Docket No. 52-012 and 52-013**

**SRP Section: 14.02 - Initial Plant Test Program - Design Certification and New License  
Applicants  
Application Section: 14.2.12**

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

**14.02-12**

In FSAR Subsection 14.2.12.2.5, the COL applicant deleted the friction testing requirement for the CRD system because a new position and monitoring system is used to monitor the CRD system. The staff found that STD DEP 14.2-1 is a departure to a first-of-a-kind (FOAK) test for the CRD System. For a FOAK test, RG 1.206, Regulatory Position C.I.14.2.8, "Utilization of Reactor Operating and Test Experiences in Test Program Development," states, "the COL applicant should also include the justification for not including preoperational and/or startup testing for any unique or first-of-a-kind design features." NUREG-0800, SRP 14.2, Acceptance Criteria 5.C, also states "for new, unique, first-of-a-kind design features used in the facility, the functional testing requirements and acceptance criteria necessary to verify their performance should be submitted for review and approval."

The COL applicant did not provide any details on how this new FOAK system accomplishes the friction testing function. Consistent with RG 1.206, Regulatory Position C.I.14.2.8 and SRP 14.2, Acceptance Criteria 5.C, please provide details on how the new position and monitoring system fulfills the test requirement for detecting CRD friction problems during CR insertion or withdrawal or justify an alternative.