

## PMSTPCOL PEmails

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**From:** Mark Tonacci  
**Sent:** Thursday, March 27, 2008 7:52 AM  
**To:** Mookhoek, William; Greg Gibson (gtgibson@stpegs.com); STPCOL  
**Cc:** George Wunder  
**Subject:** RAI Letter 01  
**Attachments:** Ltr1 ML0807303630.pdf

Bill,

Attached is RAI letter 01 for your review and response. Please call if you have questions. I hope to send you an additional three letters with additional questions before the end of the day.

Mark Tonacci, P. E.  
Senior Project Manager  
U. S. Nuclear Regulatory Commission  
Division of New Reactor Licensing  
Office of New Reactors

(Office) 301-415-4045  
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Mail Stop T7-F31  
Washington Dc 20555-0001

**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 52

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**Subject:** RAI Letter 01  
**Sent Date:** 3/27/2008 7:52:15 AM  
**Received Date:** 3/27/2008 7:52:17 AM  
**From:** Mark Tonacci

**Created By:** Mark.Tonacci@nrc.gov

**Recipients:**

"George Wunder" <George.Wunder@nrc.gov>  
Tracking Status: None  
"Mookhoek, William" <wemookhoek@STPEGS.COM>  
Tracking Status: None  
"Greg Gibson (gtgibson@stpegs.com)" <gtgibson@stpegs.com>  
Tracking Status: None  
"STPCOL" <STP.COL@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

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**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

March 25, 2008

Mr. Gregory Gibson, Manager  
Regulatory Affairs  
South Texas Project Nuclear Operating Company  
P.O. Box 289  
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 01 RELATED TO  
THE SRP SECTION 03.04.01 FOR THE SOUTH TEXAS COMBINED LICENSE  
APPLICATION

Dear Mr. Gibson:

By letter dated September 20, 2007, South Texas Project Nuclear Operating Company (STPNOC) submitted for approval a combined license application pursuant to 10 CFR Part 52. The 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 45 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.

Mr. Gregory Gibson

-2-

If you have any questions or comments concerning this matter, you may contact me at 301-415-4045 or met@nrc.gov, or you may contact George Wunder at 301-415-1494 or gfw@nrc.gov.

Sincerely,

***/RA/***

Mark Tonacci, Senior Project Manager  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-012  
52-013

Enclosure:  
Request for Additional Information

cc: William Mookhoek

Mr. Gregory Gibson

-2-

If you have any questions or comments concerning this matter, you may contact me at 301-415-4045 or met@nrc.gov, or you may contact George Wunder at 301-415-1494 or gfw@nrc.gov.

Sincerely,

**/RA/**

Mark Tonacci, Senior 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: 13

Enclosure:  
Request for Additional Information

cc: William Mookhoek

Distribution:  
PUBLIC  
NGE 1/2 R/F  
GWunder, NRO  
JHernandez, NRO  
SBrock, OGC  
RidsNroDnrlSbpb  
RidsNroDnrlNge1  
RidsNroDnrlNge2

ADAMS Accession No. ML080730363

NRO-002

OFFICE	SBPB/TR	SBPB/BC	NGE2/PM	OGC	NGE1/L-PM
NAME	JHernandez*	PWilson*	MTonacci*	SBrock*	GWunder*
DATE	2/8/08	2/12/08	2/27/08	2/27/08	3/11/08

**\*Approval captured electronically in the electronic RAI system.**

**OFFICIAL RECORD COPY**

**Request for Additional Information  
South Texas Project Units 3 and 4  
South Texas Project Nuclear Operating Co  
Docket Nos. 52-012 and 52-013  
SRP Section: 03.04.01 - Internal Flood Protection for  
Onsite Equipment Failures  
Application Section: Section 3.4**

QUESTION

03.04.01-1

The Ultimate Heat Sink (UHS) storage basin and the Reactor Service Water (RSW) pump house are located adjacent to each other (see Tier 2 FSAR Figures 1.2-33 and 1.2-34). There are electrical equipment and mechanical equipment rooms within the RSW pump house that are located below the RSW pumps and below the water level of the UHS storage basin. The basin wall separates the water inventory in the UHS basin from these rooms (see Tier 2 FSAR Figure 1.2-34, Section A) and includes penetrations through the mechanical room.

- 1) Identify the functions of the electrical and mechanical equipment described above.
- 2) If the equipment is safety-related, describe how the equipment is protected from the effects of internal flooding, consistent with the acceptance criteria in SRP 3.4.1, and add this information to the FSAR.