

June 11, 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. 123 RELATED TO
SRP SECTION 06.01.01 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 or you may contact George Wunder at 301-415-1494 or 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. 2691

Enclosures:
Requests for Additional Information

cc: William Mookhoek
James Tomkins

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DATE	4/23/2009	5/6/2009	5/7/2009	5/13/2009	6/11/2009

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

Request for Additional Information No. 2691 Revision 0

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 06.01.01 - Engineered Safety Features Materials
Application Section: 6.1.1**

QUESTIONS for Component Integrity, Performance, and Testing Branch 2 (ESBWR/ABWR Projects) (CIB2)

06.01.01-1

ABWR DCD Table 6.1-1 does not provide materials specifications and grades for reactor building cooling water system heat exchangers, or reactor service water system pumps, valves or piping. The ABWR DCD contains a note that states that the above information is site specific. COL FSAR Section 6.1.1.1.1 states that materials to be used in the reactor building cooling water system heat exchanger and the reactor service water system pump and valves will be provided in the FSAR in accordance with 10 CFR 50.71(e) prior to the initiation of the respective unit preoperational testing. (COM 6.1-1) In order for the staff to complete its review, the staff requests that the applicant modify COL FSAR Table 6.1-1 to include materials specifications and grades for reactor building cooling water system heat exchangers and reactor service water system pumps, valves and piping and provide a technical basis for its selection of materials.

Enclosure