June 3, 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. 119 RELATED TO SRP SECTION 05.04 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 301-415-6197 or by e-mail at Tekia.Govan@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No. 2570

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

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DATE	04/23/2009	05/8/2009	06/03/2009	05/12/2009	05/12/2009

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2570 Revision 02

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.04.06 - Reactor Core Isolation Cooling System (BWR)
Application Section: 5.4.6

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

05.04.06-1

Table 5.4-1a in the DCD provided values for NPSH available, NPSH required, and Margin. The applicant replaced these values with a formulation with variables of HF and HST. In Table 5.4-2, NPSH changed from 7.3 m to 7.0 m. Provide justification of the changes and assure that sufficient NPSH margin will be maintained

Enclosure