November 16, 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. 288 RELATED TO SRP SECTION 3.6.2 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 301-415-8484 or by e-mail at Tom.Tai@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tom M. Tai, Senior Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 3896

Enclosure:
Request for Additional Information

cc: William Mookhoek
John Price

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DATE	10/21/09	10/21/09	11/16/09	10/26/09	11/02/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 3896 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 03.06.02 - Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping
Application Section: 3.6.2

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)

03.06.02-1

FSAR Section 3.6.5.3, Inservice Inspection of Piping in Containment Penetration Areas, states that a 100% volumetric inservice examination of all accessible pipe welds in containment penetration area will be conducted during each inspection interval as defined in IWA-2400, ASME Code Section XI. This is inconsistent with the provision as stated in Branch Technical Position (BTP) 3-4, A.(ii).(7) and the ABWR DCD Section 3.6.2.1.4.2. The provision in BTP 3-4 and in ABWR DCD requires that a 100 % volumetric inservice examination of all pipe welds (as opposed to all accessible pipe welds stated in the STP FSAR Section 3.6.5.3) in Containment Penetration Area should be conducted during each inspection interval as defined in IWA-2400, ASME Code Section XI. The applicant is requested to address this discrepancy. The applicant should note that as stated in both ABWR DCD and STP FSAR, the COL applicant is responsible for designing all the ASME Code Class 1, 2, and 3 components for accessibility to perform preservice and inservice inspection. It is therefore, the STP's responsibility to ensure that sufficient access exists for all the pipe welds in Containment Penetration Area.

Enclosure