July 2, 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. 141 RELATED TO SRP SECTION 3.10 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. 2927

Enclosure:
Request for Additional Information

cc: William Mookhoek
John Price

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Request for Additional Information

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John Price

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2927 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 03.10 - Seismic and Dynamic Qualification of Mechanical and Electrical Equipment
Application Section: 3.10

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

03.10-1

In Section 3.10.5 of the STP 3&4 FSAR, descriptions for COL License Information Items 3.37 and 3.38 are not totally acceptable. The applicant is requested to provide an implementation program for seismic qualification of mechanical and electrical equipment, including milestones and completion dates for the dynamic qualification report (DQR).

Section C.I.3.10.4 of RG 1.206 calls for this to be done prior to installation of equipment, **not prior to fuel loading,** The applicant is requested to either provide an implementation program that meets Reg Guide 1.206 or justify an alternative approach that allow the staff enough time to audit the DQR.

Enclosure