June 23, 2009

Mr. Scott Head, Manager
Regulatory Affairs
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REVISED - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 126 RELATED TO SRP SECTION 8.2 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 by July 23, 2009. 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 301-415-4093 or by e-mail at Adrian.Muniz@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Adrian Muñiz, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2891

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

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

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Request for Additional Information No. 2891 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 08.02 - Offsite Power System
Application Section: SRP 8.2

QUESTIONS for Electrical Engineering Branch (EEB)

08.02-18

With regard to your response to RAI 02.03.02-7, it is not clear to the staff what is meant by the design of the transformer considers the effect of salt deposition of the nature discussed. Operating experience have shown that insulator failures will likely occur due to salt deposits. IEEE Standard C57.19.100 -1995 discusses counter measures that can be implemented to insure that the salt deposits do not degrade the bushings. Discuss counter measures that will be taken to prevent insulator and bushing failures on offsite power system equipment due to salt deposits.

Enclosure