

January 19, 2010

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 311 RELATED TO SRP
SECTIONS 9.1.1 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.

S. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-1695 or by e-mail at Eric.Miller@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Eric D. Miller, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 4173

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

S. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-1695 or by e-mail at Eric.Miller@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Eric D. Miller, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 4173

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

Distribution:
PUBLIC
NGE 1/2 R/F
GWunder, NRO
BAbeywickrama, NRO
CVanWert, NRO
JDonoghue, NRO
SBrock, OGC
RidsNroDsraSbcv
RidsNroDnrlNge2

ADAMS Accession No.: ML100190710

NRO-002

OFFICE	SRSB	SRSB	NGE2/PM	NGE2/L-PM
NAME	CVanWert	JDonoghue	EMiller	GWunder
DATE	12/17/2009	12/23/2009	1/19/2010	1/12/2010

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

OFFICIAL RECORD COPY

Request for Additional Information No. 4173 Revision 3

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013**

**SRP Section: 09.01.01 - Criticality Safety of Fresh and Spent Fuel Storage and Handling
Application Section: 09.1**

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

09.01.01-3

In response to RAI 2558 (Question 09.01.01-1), the applicant states that the confirmatory criticality analyses will be included in ITAAC 2.5.6.2 along with other items.

The staff does not agree that a future analysis in an ITAAC fulfill the requirements of ABWR COL License Information Items 9.1.6.1 and 9.1.6.3 as described in the response to 09.01.01-1. The staff has issued RAI 4032 (Question 09.01.01-2) requesting the applicant to meet COL Information Items 9.1.6.1 and 9.1.6.3. In addition, the staff is also requesting the applicant to provide the deliverables in COL Information Items 9.1.6.2 and 9.1.6.4 in order for the staff to perform it's safety review.

Enclosure