March 25, 2008

Mr. Gregory Gibson, Manager
Regulatory Affairs
South Texas Project Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 03 RELATED TO THE SRP SECTION 03.04.01 FOR THE SOUTH TEXAS COMBINED LICENSE APPLICATION

Dear Mr. Gibson:

By letter dated September 20, 2007, South Texas Project Nuclear Operating Company (STPNOC) submitted for approval a combined license application pursuant to 10 CFR Part 52. The 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 45 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, you may contact me at 301-415-4045 or met@nrc.gov, or you may contact George Wunder at 301-415-1494 or gfw@nrc.gov.

Sincerely,

/RA/

Mark Tonacci, Senior Project Manager
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

Enclosure:
Request for Additional Information

cc: William Mookhoek

March 25, 2008

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South Texas Project Nuclear Operating Company
P.O. Box 289
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Mark Tonacci, Senior Project Manager
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013
eRAI Tracking No: 10
Enclosure:
Request for Additional Information
cc: William Mookhoek

Distribution:
NGE2 R/F
GWunder
JHernandez
SBrock
PWilson
BSosa

ADAMS Accession No. ML080870024 NRO-002

OFFICE	SBPB/TR	SBPB/BC	NGE2/PM	OGC	NGE1/L-PM
NAME	JHernandez*	PWilson*	MTonacci*	SBrock*	GWunder*
DATE	2/11/08	2/11/08	2/27/08	2/27/08	3/24/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. Dockets 52-012 and 52-013
SRP Section: 03.04.01 - Internal Flood Protection for Onsite Equipment Failures
Application Section: 3.4

QUESTIONS

03.04.01-4

STP DEP 9.2-5 describes modifications to the reactor service water (RSW) system, including increases in RSW flow rates and pipe sizes. Section 3 of the Departures Report indicates that this departure has been evaluated and determined to comply with the requirements of 10 CFR 52, Appendix A, Section VIII.B.5. However, the staff has not been able to find enough information to determine the acceptability of the applicant's evaluation per the requirements in 10 CFR 52, Appendix A, Section VIII.B.5. Specifically, the applicant did not address how the proposed capacity increase of the system affects the flooding analysis incorporated by reference in the STP FSAR. Please provide information to show how these flood-related considerations were addressed when evaluating this departure. Include this information in the FSAR and/or the departures report (as appropriate), and provide a markup in your response.