

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. 04 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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Regulatory Affairs
South Texas Project Nuclear Operating Company
P.O. Box 289
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APPLICATION

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ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012

52-013

eRAI Tracking No: 12

Enclosure:

Request for Additional Information

cc: William Mookhoek

ADAMS Accession No. ML080870021

Distribution:

NGE2 R/F

GWunder

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NRO-002

OFFICE	SBPB/TR	SBPB/BC	NGE2/PM	OGC	NGE1/L-PM
NAME	JHernandez*	PWilson*	MTonacci*	SBrock*	GWunder*
DATE	2/08/08	2/12/08	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

03.04.01-5

The following statements are unclear. Please clarify the following statements in FSAR Tier 2:

Subsection 3.4.1.1.1:

- 1) "...flood level arise accomplished"
- 2) "...exposure to water3.4.1.1.2, site-specific supplements."

Subsection 3.4.2: "...as well as ground and soil pressures, are calculated."

Revise the FSAR accordingly, and provide a markup in your response.